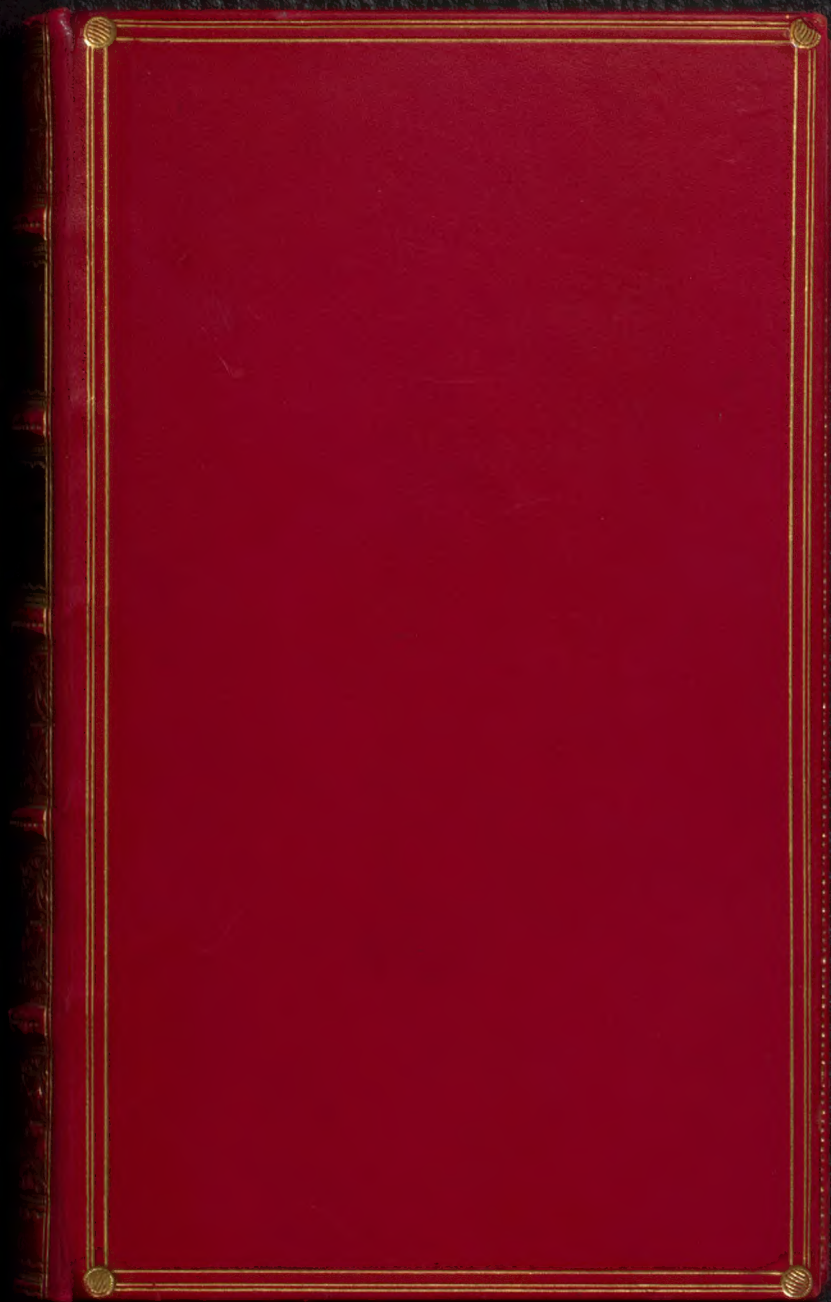
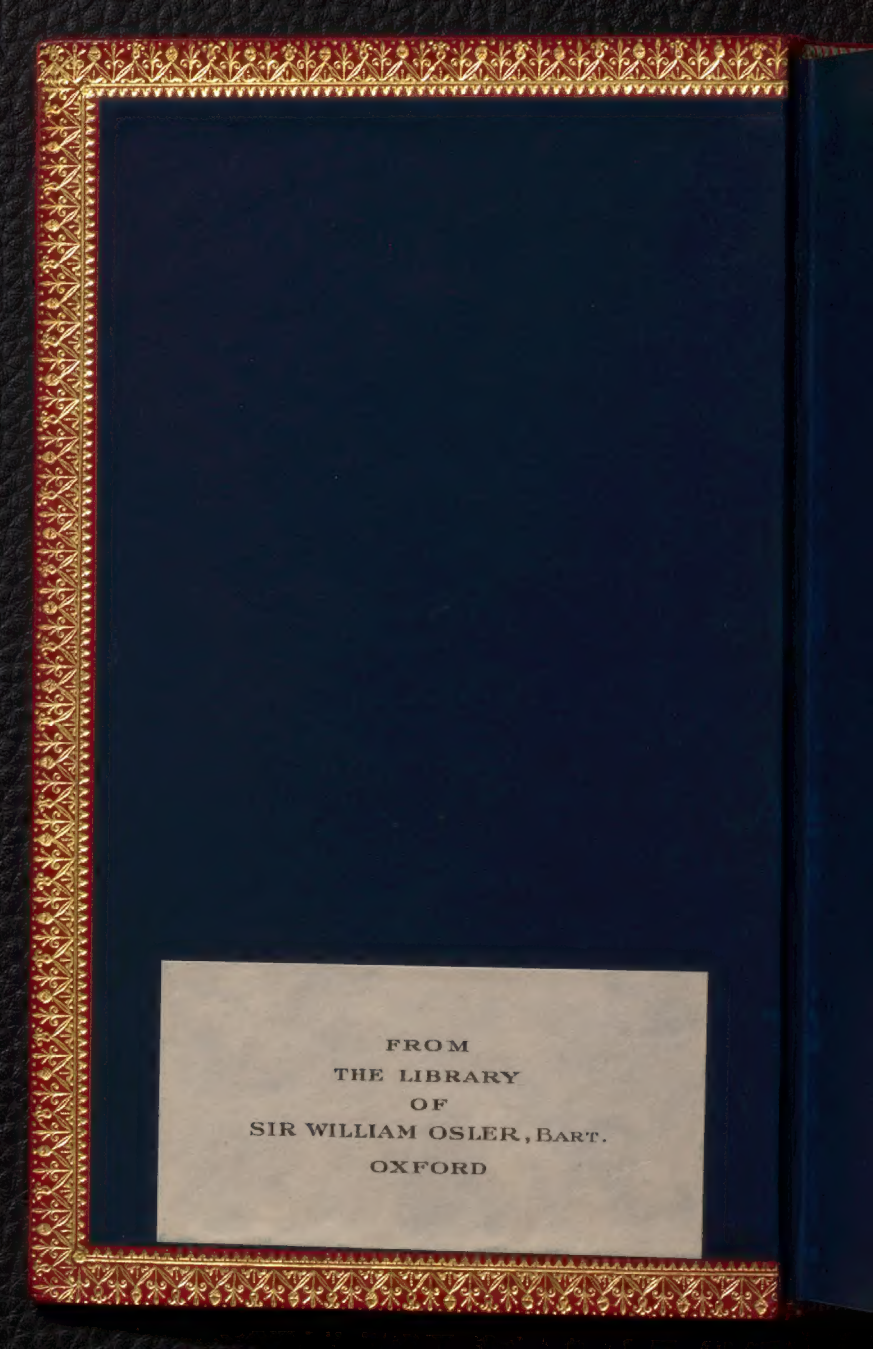
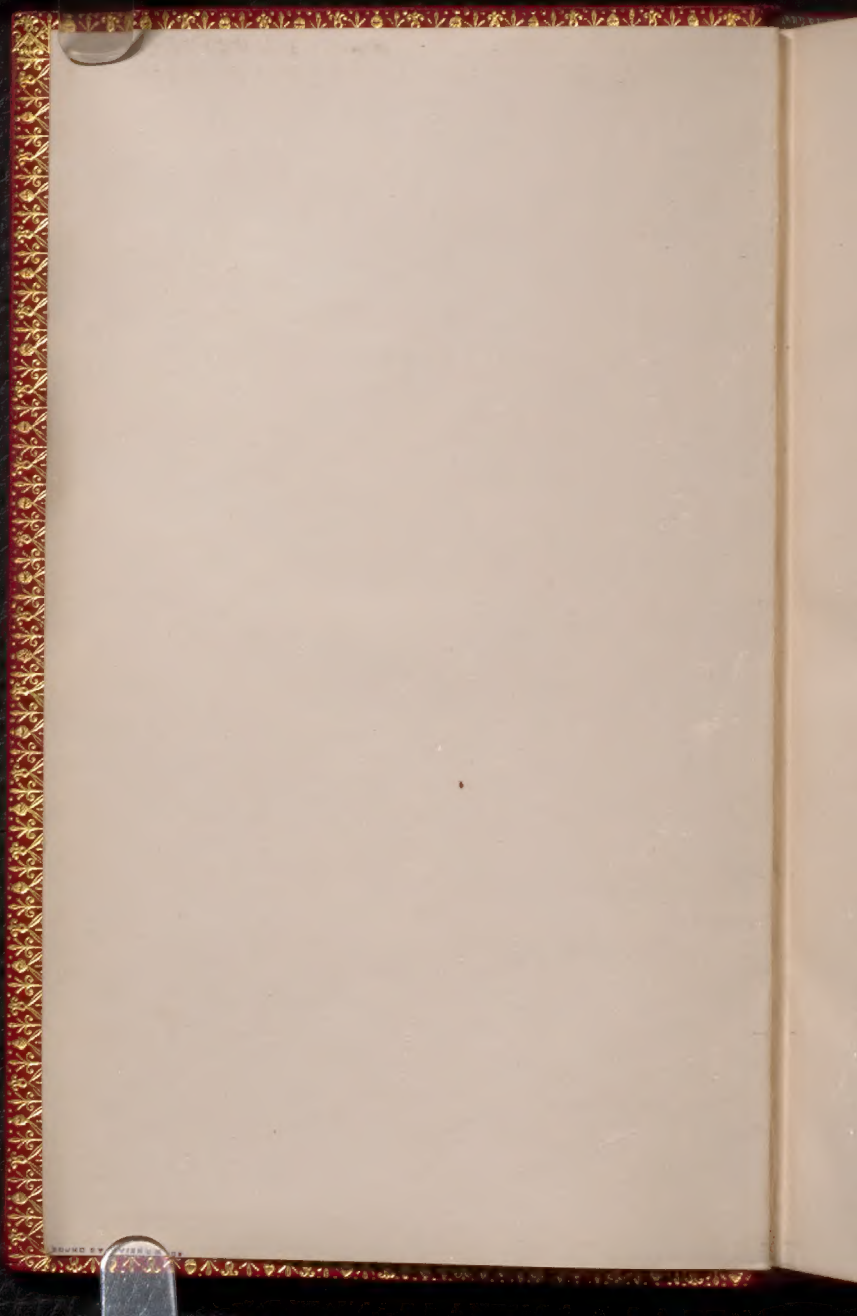


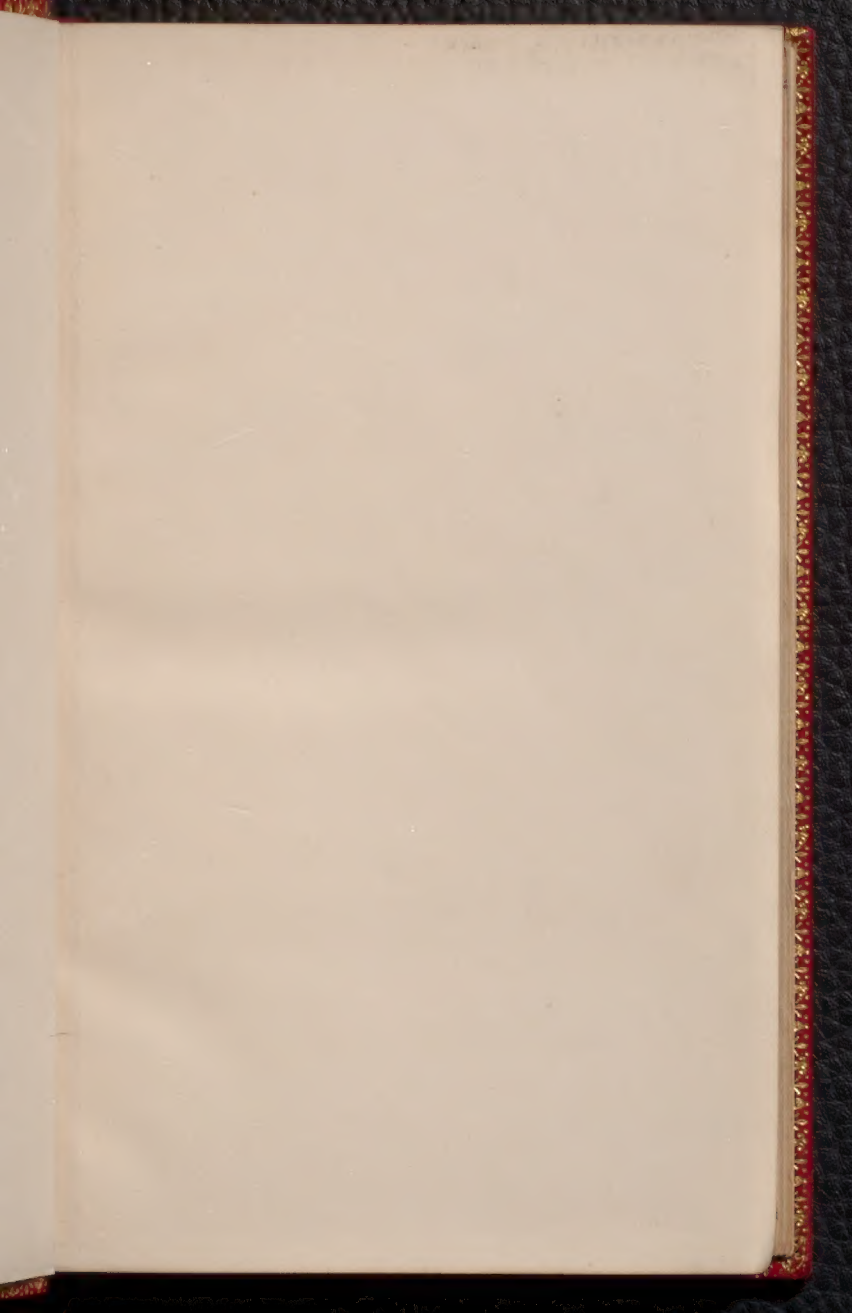


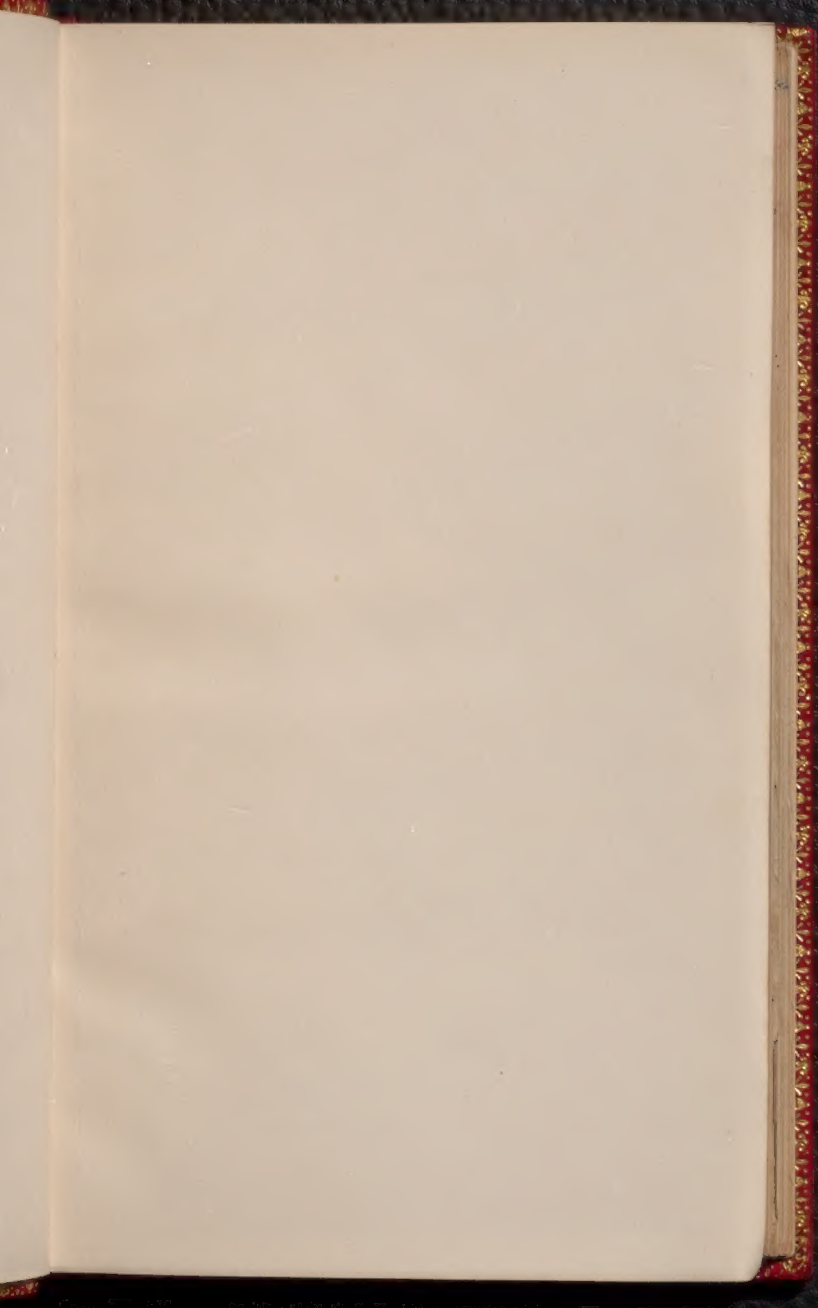


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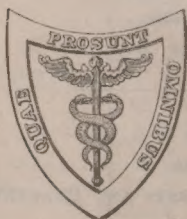
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Day Book 5: Dec 1901, 1902, 1903

THE
MEDICAL NEWS
VISITING-LIST.

1901.
THIRTY PATIENTS PER WEEK.



VOL VII

PHILADELPHIA AND NEW YORK:
LEA BROTHERS & CO.

1900.

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1. Keep your
2. Transfer
the items.

HOW

ENTER the name
the address (or in
page under the
little dot • in let
write this down
in ink, i. When
made, or one wit
number of visits,
marked N. For
should be made,
A. For a consult
tion with Dr. —
a consultant mar
"It" — in cons
anything special
be marked V.

• Visit to be
• Visit made
• Second VI
day.
• Second VI
N Night Visit
• Office Visit

The first teeth
be cut earlier or
temporary set of
shows the num
Molars.
24-12

The permanent
years:
Molars, Eicuspi
2-13-6 10-9

HOW TO KEEP ACCOUNTS.

1. Keep your visiting list in such a way that you can fully explain it.
2. Transfer a record of your services at short intervals to a ledger, stating the items.

HOW TO KEEP THE VISITING LIST.

ENTER the names in the proper columns, and, in case of a new patient, the address (or husband's or parent's name and address, in the right-hand page under the head of "Memoranda." Under the proper date make a little dot • in lead pencil for a visit *to be paid*, and if at a special hour, write this down: 10 A. M. When a visit is paid make a diagonal stroke in ink, /. When several visits are paid a series of strokes, //, may be made, or one with a little star *, and in the memorandum column the number of visits, "*4 visits," may be written in. A night-visit should be marked N. For an expected office case a small circle in lead pencil, o, should be made, and when the patient has come a diagonal stroke in ink, φ. For a consultation write "C," and in the "Memoranda" "Consultation with Dr. —" (whoever asked you in consultation). When you call a consultant mark the visit *, and in the "Memoranda" column write "Dr. — in consultation." A confinement case may be marked Cf., and anything special noted in column for memoranda. A vaccination should be marked V.

SIGNS.

•	<i>Visit to be made.</i>	φ	<i>Office Visit.</i>
/	<i>Visit made.</i>	C	<i>Consultation (when you are the consultant).</i>
••	<i>Second Visit to be made same day.</i>	Cf.	<i>Confinement Case.</i>
//	<i>Second Visit made.</i>	V	<i>Vaccination.</i>
N	<i>Night Visit.</i>	*	<i>Refers to a special note in column headed "Memoranda."</i>
o	<i>Office Visit expected.</i>		

DENTITION.

THE first teeth usually appear at about the seventh month, but they may be cut earlier or later without any presumption of disease. The first or temporary set of teeth numbers twenty, and appears approximately as follows (the numbers indicate months):

Molars.	Canine.	Incisors.	Canine.	Molars.
24-12	18	9-7-7-9	18	12-24

The permanent teeth appear about as follows (the numbers indicate years):

Molars.	Bicuspsids.	Canine.	Incisors.	Canine.	Bicuspsids.	Molars.
25-13-6	10-9	11	8-7-7-8	11	9-10	6-13-25

TO FIND DAY OF CONFINEMENT.

COUNT backward three months from the last day of menstruation, and add one year and seven days to the date thus reached. It should never be forgotten that an exact reckoning of the date of confinement is impossible, errors of one or two weeks being sometimes made.

THERMOMETRIC SCALES.

To convert Degrees of the Centigrade Scale into those of Fahrenheit: Multiply the number of the former by 9 and divide by 5. If the temperature was above the freezing-point (0°), add 32° ; if it was below the freezing-point, subtract the result from 32° .

To convert Degrees of the Fahrenheit Scale into those of Centigrade: If the temperature be above the freezing point (32°), subtract 32 ; if it be below the freezing point, subtract the number from 32 then multiply the remainder by 5 and divide by 9.

In taking temperatures, the thermometer should always be used in the same situation (axilla, mouth, etc.), and left in for the same length of time (from five to seven minutes). It is important also, in keeping a record or making a report, to state the situation of the thermometer.

ORDINARY WEIGHTS AND MEASURES.

Troy, or Apothecaries', Weight.

20 grains (gr.)	= 1 scruple (ʒ)	= 20 grains.
3 scruples	= 1 drachm (ʒ)	= 60 "
8 drachms	= 1 ounce (ʒ)	= 480 "
12 ounces	= 1 pound (lb)	= 5760 "

Wine, or Apothecaries', Measure.

60 minims (℥)	= 1 fluidrachm.
8 fluidrachms (fldr.)	= 1 fluidounce.
16 fluidounces (floz.)	= 1 pint.
2 pints (O)	= 1 quart.
4 quarts	= 1 gallon (Cong.) = 231 cubic inches.

Linear Measure.

12 lines = 1 inch.

THE METRIC SYSTEM.

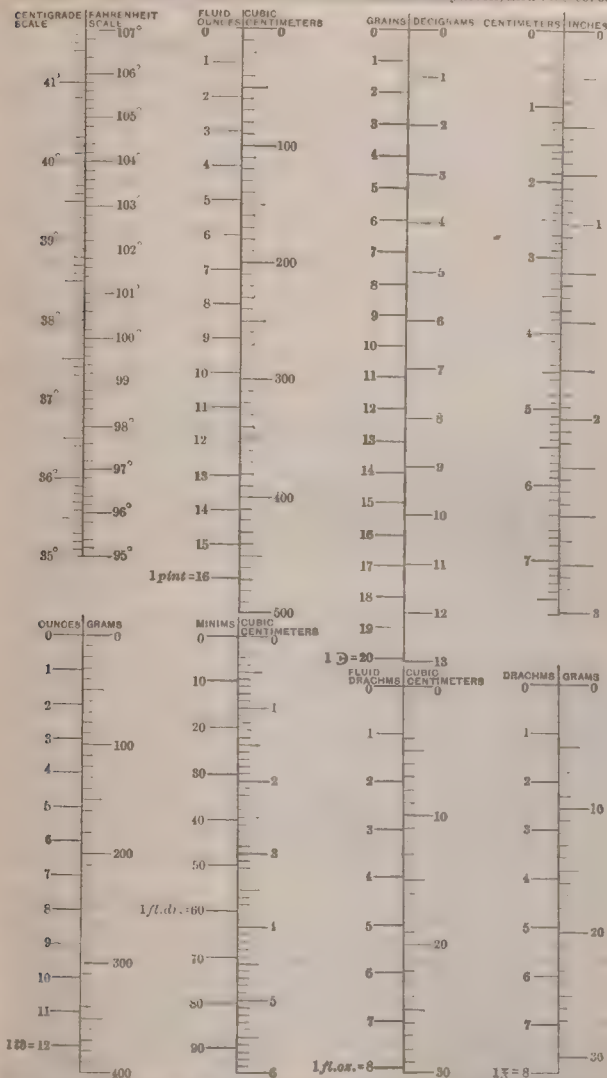
THIS system gets its name from the meter, which is the unit of linear measure. It is equal to 39.370132 inches, or a little over three and one-quarter feet.

The gram is the unit of weight, and is equal to 15.432 grains (Troy).

The liter is the unit of solid or fluid measure, and is equal to 1.0567 quarts.

The names of the higher weights and measures are formed by prefixing to the name of the unit the Greek terms deka, hecto, kilo, and myria. The names of the fractional weights and measures are formed by prefixing to the name of the unit the Latin terms deci, centi, milli.

COMPARATIVE SCALES, showing at a glance the exact equivalent of ordinary weights and measures in those of the Metric System, and vice versa.



The equivalents of fractions, whether large or small, may be found with great nicety by these scales. For instance, $\frac{1}{2}$ grain = $\frac{1}{2}$ of the metric equivalent of 7 grains, and 1-200 grain = $\frac{1}{2}$ -4000 of the metric equivalent of 20 grains. This method is, of course, reversible.

EXAMINATION OF THE URINE.

No clinical investigation is complete without careful and repeated examination of the urine, microscopically as well as chemically. The most important matters to be considered are—

1. Quantity passed in a given time. 2. Appearance (color, transparency, turbidity, etc.). 3. Odor. 4. Reaction (acid or alkaline). 5. Specific gravity. 6. Proportion of urates. 7. Proportion of phosphates. 8. Absence or presence of albumin, and quantity if present. 9. Absence or presence of sugar, and quantity if present. 10. Character of the sediment microscopically.

For ordinary examinations a sample of the first urine passed in the morning is best. It is sometimes necessary to examine in addition a sample specimen taken from the entire quantity passed during twenty-four hours. At other times it is important to examine that passed at stated periods after meals.

1. *Quantity.* Instruct the patient to throw away the urine passed at a noted hour, and to collect in one vessel all passed subsequently for twenty-four hours up to the same hour of the following day. This quantity is to be accurately measured. The normal quantity is from 40 to 50 fluidounces. Variations occur within normal limits from excessive or insufficient drinking of water, loss by perspiration, etc. Persistent excess (polyuria) or diminution (oliguria) is pathological. The quantity is increased in diabetes insipidus and diabetes mellitus, in chronic nephritis, and, temporarily, in emotional states, including hysteria. The quantity is diminished in acute nephritis, in the last stages of chronic nephritis, in lithemia, in renal insufficiency, in conditions characterized by feebleness of the heart, in Asiatic cholera, in yellow fever, in acute intestinal obstruction, and in febrile conditions generally.

2. *Appearance.*—Normal urine is of an amber color and transparent. The color of the urine varies with its concentration, and may be altered by drugs. Rhubarb imparts a gamboge-yellow color to acid urine, a violet-red color to alkaline urine. Senna imparts a brownish, logwood a reddish, carbolic and gallic acids each a blackish tinge. Of the more important pathological changes, smokiness or redness is usually due to blood; a greenish-yellow or brownish tint usually indicates bile; a milky appearance is caused by that rare condition, chyluria. Urates and uric acid sometimes impart a bright orange red tint that may be mistaken for blood. When blood is present, the corpuscles will be seen under the microscope, but there is a condition (*hemoglobinuria*) in which the coloring matter of the blood, but not the corpuscles, passes into the urine. A special test is here necessary.

Normal urine may become turbid on standing. Nearly always a slight cloud of mucus will form, and urates may deposit on cooling, even when not in excess, if the urine is somewhat concentrated. Urine turbid when passed is pathological. Pus and mucus cause turbidity, the nature of which may be distinguished by microscopic examination. Chemically, pus may be detected by the addition of hydrogen dioxide, which causes effervescence from liberation of oxygen, or by allowing it to settle and adding liquor potasse after pouring off the supernatant urine, when the pus becomes a ropy, viscid mass, easily recognized by its behavior upon attempting to pour it from the test-tube. Turbidity in an acid urine that

clears up on heating is due to urates. Turbidity, increased or unaffected by heat and cleared up by the addition of nitric acid, is caused by phosphates. Very pale, transparent urine, of high specific gravity, usually contains sugar; if of low specific gravity, and there is polyuria, it may be free from abnormal constituent or may contain sugar and likewise albumin.

3. *Odor*.—Urine has a typical odor, sometimes described as aromatic. If alkaline fermentation take place, the urine becomes ammoniacal. The ingestion of turpentine imparts an odor of violets. The urine of diabetes mellitus sometimes has a sweetish odor. The presence of acetone yields an odor resembling that of chloroform.

4. *Reaction* is to be ascertained soon after the passage of the urine by means of slips of litmus paper, of which the blue is reddened if the secretion is acid, and the red is made blue if the secretion is alkaline; or by turmeric-paper, which is made brown if the secretion is alkaline. The total twenty-four hours' urine of a healthy person is acid. The urine may be alkaline a few hours after a meal, especially if large quantities of alkali have been taken, in cases in which the stomach has been washed out, and in cases of obstinate vomiting. Ammoniacal fermentation will give an alkaline reaction to urine.

5. *Specific Gravity*.—This is ascertained by means of a special form of hydrometer called a urinometer. Normal specific gravity is about 1018 or 1020. Increased specific gravity (1025 or more) indicates excess of solid matters; if the quantity is scanty, usually these are urates or phosphates, or both; but if the quantity is excessive sugar is usually present. If the specific gravity is low (1010 or less), albumin may be suspected.

6. *Urates and Uric Acid*.—In addition to the high specific gravity and turbidity clearing on heat, as already mentioned, urates and uric acid may be detected by examination of the sediment under the microscope. When urates and uric acid only are present, the urine is usually acid, but urates and phosphates may be present together in a faintly acid, neutral, or alkaline urine. Free uric acid is (practically) always abnormal, and urates in noticeable quantity may usually be considered excessive, but only exact quantitative determination of the entire amount passed in twenty-four hours can make this certain.

7. *Phosphates*.—The proportion of phosphates may be roughly ascertained by adding to some urine in a test-tube half its bulk of a solution of caustic potash (1:8), and gently warming the mixture. If the deposit which forms is deeper than $\frac{1}{3}$ of an inch in a test-tube $\frac{3}{4}$ of an inch in diameter, containing the mixture to a height of 2 inches, the phosphates are in excess. If much less, they are below normal. Turbidity of the urine which is cleared up by the addition of a little acetic acid is to be set down to an excess of phosphates, unless the urine is stale, when it may be due to alkaline decomposition.

8. *Albumin*.—Before testing for albumin or sugar, the urine should be filtered until perfectly clear. If alkaline, it must be acidulated by adding a drop or two of acetic acid. The most delicate of the reliable tests for albumin is to gently heat to the boiling-point the upper portion of a test tube about half filled with urine. A resulting cloudiness is due to albumin or phosphates. The addition of a few drops of acetic acid will clear up the turbidity due to phosphates, but will not affect that due to albumin.

Heller's test is best performed by putting about 1 inch of nitric acid in a

test-tube, and by means of a pipette allowing a few drops of the filtered urine slowly to trickle down the side of the inclined test-tube, and to lie upon the acid. A more or less white and opaque ring or cloudiness, due to coagulation of the albumin, will form at the junction of the two fluids. The ring may appear at once or develop slowly; hence the test-tube containing the urine and acid should be allowed to stand for about ten minutes before a negative result is recorded.

8. *Sugar*.—The presence of sugar in quantities sufficient to have any pathological significance may be detected by *Bottger's test*, which consists in placing in a test tube about a drachm each of filtered urine and liquor potassæ, and adding a minute quantity of subnitrate of bismuth. If sugar be present, prolonged boiling will cause a precipitate of metallic bismuth, forming a black deposit at the bottom of the test-tube. A grayish precipitate may be caused by substances other than sugar. The result of the bismuth test is to be corroborated by *Trommer's test*. To the urine alkalinized with potassium hydroxide is added drop by drop a ten-per-cent. solution of copper sulphate until a slight precipitate persists. The occurrence of a yellowish or reddish precipitate of copper oxide on the application of gentle heat indicates the presence of sugar in quantity more than a trace. The reaction will also take place in from six to twenty-four hours without the application of heat.

To determine the *quantity* of sugar, *Fehling's solution* is usually employed. 34.64 grams of pure crystallized copper sulphate are dissolved in pure water, and the solution is made up to 500 c.c. 100 c.c. of sodium hydroxide of a sp. gr. of 1.34 and 175 grams of powdered Rochelle salt are dissolved in 400 c.c. of water, and the solution is also made up to 500 c.c. The two solutions are best kept in separate well-stoppered, dark-colored bottles. For use equal parts are mixed as required. Every 10 c.c. of Fehling's solution requires 5 centigrams of glucose to reduce it completely. The test is best made by placing in a porcelain capsule 5 c.c. each of the two solutions, adding sufficient distilled water to make 50 c.c., and boiling. If no change of color should occur, the test may be proceeded with: 1 part of the urine to be tested having been added to 9 parts of distilled water, this diluted urine is now permitted to slowly flow from a burette into the liquid in the capsule, or is added drop by drop until all the blue color has disappeared. The quantity necessary to effect this may be measured in grams (*g*) or drops (*d*). To ascertain the percentage of sugar the following formula may be used:

$$\frac{50}{g} \text{ or } \frac{772}{d} = \text{percentage.}$$

Quantity by the Fermentation Process.—Take specific gravity and record it. Place 8 ounces of urine in a pint bottle, add a piece of compressed yeast about the size of a walnut, insert a perforated cork, and place the bottle in a warm place (86° to 96° F.) for four or five hours or longer. Then allow the urine to cool, and again take sp. gr. Each degree of loss of sp. gr. represents about one grain of sugar to the ounce, or the total number of degrees lost multiplied by 0.23 will give the sugar percentage.

If sugar be found, frequent examinations must be made for

Acetone.—To the urine or a distillate thereof is added tincture of iodine or compound solution of iodine and then sufficient ammonia to form a deep-black precipitate. This disappears gradually in the presence of acetone and is replaced by a yellowish precipitate of iodoform, which is

recognizable by its odor and by appearing microscopically as made up of six sided tables or stars. After this, examination must be made for

Diabetic Acid. Solution of chloride of iron is slowly added to the urine; the phosphates thus precipitated are removed by filtration; and more iron chloride is added. If a Bordeaux-red color results part of the urine is boiled and part heated with sulphuric acid and extracted with ether. If the boiled urine gives no reaction with the iron solution, or only a slight coloration, while the iron-chloride reaction with the ethereal extract fades within twenty-four or forty eight hours, and if acetone is present (see above), we may conclude that the very grave condition of *diaceturia*, a forerunner of diabetic coma, exists.

10. The character of the microscopic sediment is always of great significance. This part of the examination requires special instruction.

IMPORTANT INCOMPATIBLES.

Acacia (gum), with alcohol, iron, lead-water, and mineral acids.

Acids (mineral), with alkalis and relatively weak salts of other acids, such as bromides, chlorides, and iodides.

Alkalies, with acids and with relatively weak salts.

Antipyrin and antifebrin should be given with alcohol or water only.

Arsenic, with tannic acid, salts of iron, and lime and magnesia.

Bitter infusions and tinctures, with salts of iron and lead.

Bromides, with acids, acid salts, or alkalis.

Calomel, with antipyrin, alkalis, lime-water, salts of iron and lead, and iodide of potassium.

Camphor (spirit of), with water.

Carbonates, with acids and acid salts.

Chloral, with cyanides.

Chlorides, with silver salts, lead salts, and alkalis.

Chloroform (except in minute quantity), with water.

Corrosive sublimate, with alkalis, lime-water, salts of iron and lead, iodide of potassium, albumin, gelatine, and vegetable astringents. (It may, however, be advantageously combined with tincture of the chloride of iron and liq. acidi arsenosi, or with iodide of potassium.)

Digitalis, with iron and preparations containing tannic acid.

Iron (salts), with anything containing tannic acid. Tincture of the chloride of iron, with alkalis, carbonates, mucilages, and preparations containing tannic acid.

Mucilages, with acids, iron salts, and alcohol.

Potassium chlorate (and potassium permanganate) should not be rubbed up with tannic acid or other organic oxidizable substance.

Potassium (iodide of), with all strong acids and acid salts. (See Corrosive Sublimate.)

Spirit of nitrous ether, with antipyrin, sulphate of iron tincture of gualacum, and most carbonates.

Vegetable preparations holding tannic acid, with salts of iron and lead.

Alkaloids are precipitated or destroyed by tannic acid, alkalis, iodine or iodides, and chlorinous compounds.

ARTIFICIAL RESPIRATION (Sylvester's Method).

FREE the body from any clothing that binds the neck, chest, or waist; turn it over upon the face for a moment, thrusting a finger into the mouth and sweeping it round, to bring away anything that may have gotten in or accumulated there. Then lay the body flat on the back, with something a few inches high under the shoulders, so as to cause the neck to be stretched out and the chin to be carried from the chest. Draw the tongue well forward out of the mouth and let it be held by an assistant. (If there be no one to do this, a pencil or small stick may be thrust across the mouth on top of the tongue and back of the last teeth, to keep the mouth open and the tongue out of the throat.) Place yourself on your knees behind the head, seize both arms near the elbows and sweep them round horizontally, away from the body and over the head till they meet above it; give a good, strong pull, and keep it up for a

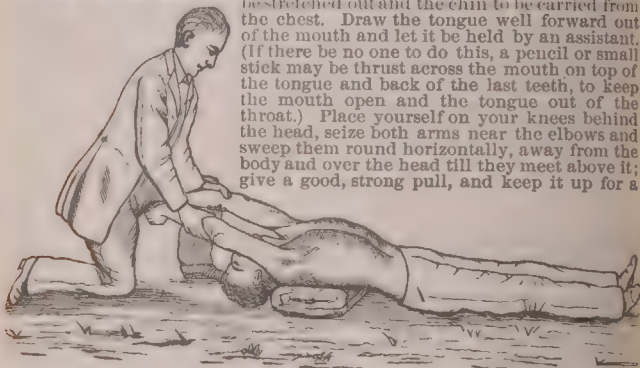


FIG. 1.

few seconds. After this return the arms to their former position alongside the chest, and make strong pressure for a few seconds against the lower ribs, so as to drive the air out of the chest and effect an act of expiration. Rhythmic traction of the tongue may also be practised.

This plan, regularly carried out, will make about 16 complete acts of respiration in a minute. It should be kept up for a long time, and not aban-



FIG. 2.

doned until the heart has ceased to beat. It should be remembered that cessation of the pulse at the wrists amounts to nothing as a sign of death; for life may be present when only a most acute ear can detect the sounds of the heart. In a moderately thin person deep pressure with the fingertips just below the lower end of the breastbone may sometimes reveal pulsation in the aorta when it cannot be found anywhere else.

TABLE OF ERUPTIVE FEVERS.

Disease.	Manner of Invasion.	Characteristics of Eruption.	Course of Disease.
Scarlatina (Scarlet fever).	Usually sudden; chilliness; high fever; rapid pulse; flushed face; convulsions or coma; sore throat; "strawberry tongue." Incubation: a few hours to a few days.	Appears very early, often on second day. First on neck and chest. May become universal. May be only about joints and very trifling. Bright scarlet; punctate. Followed by desquamation; skin burning hot; sometimes itches. Appears early. Often first symptom noted, first on face and neck, then on trunk. Rosy papules, scattered or clustered. Fades in one part and appears in another. Lasts about three days.	Progresses steadily and rapidly. Temperature rises to 104°-106°. Desquescence gradual. Coma a dangerous sign. Albumin in urine common and often true desquamative nephritis. Dur.: wk. or 10 days. Usually mild. Disappears gradually. Duration: week or 10 days.
Rötheln (German measles).	Usually unsuspected. Slight fever or none; mild catarrhal symptoms; vomiting; slight sore throat; enlargement of cervical lymphatic glands almost always present. Incubation: 2 to 3 wks. Usually unsuspected. Slight fever or none; slight malaise or none. Incubation: about 2 weeks.	Appears early. Usually on chest and shoulders, then on body and limbs and face. Distinct, clear, shot-sized vesicles; sometimes with distinct areolæ and even umbilicated; appear in successive crops; usually few in number.	Usually mild. Vesicles disappear by drying up. May form pits and leave pits. Duration: about a week.
Varicella (Chicken-pox).	Usually sudden; chill; high fever; rapid pulse; violent pain in head and back; debility; mucous membranes often involved. Temperature falls with appearance of rash. Incubation: about 12 days.	Appears on third or fourth day; first on face, and spreads over whole body and limbs in a day or two. Fine shot-like papules; then vesicles; then umbilicated pustules, about eighth day developing adherent crusts, well marked areolæ. Intense itching. Peculiar odor.	Symptoms grow worse as pustules mature. Often severe constitutional disturbance, great restlessness and desire to scratch the eruption. Desquescence gradual and slow. May be interrupted or exacerbated. Crusts fall off, and often leave deep pits (pocks). Duration: about 3 weeks.
Morbilli (Measles).	Generally sudden; chilliness or even convulsions; moderate fever; lachrymation; catarrh of respiratory passages; bronchitis. Temperature rises with appearance of rash. Incubation: 2 wks.	Appears about fourth day; first on face, and spreads to body and limbs. May be limited; usually almost universal. Consists of rosy papules, arranged in parts of circles or crescents; appears sometimes in successive crops.	Usually mild and regular. Temperature may be high from complications. Lasts about a week. Recovery rapid. Duration: week or 10 days.

POISONS AND ANTIDOTES.

THE following table contains suggestions for the proper treatment of those forms of poisoning most likely to occur. Though brief, they are all that will be needed to prompt the physician's memory :

POISON.	TREATMENT.
<i>Nature unknown</i>	{ Provoke repeated vomiting; Give bland liquids; Stimulate, if necessary; keep up breathing.
<i>Acids—</i> { Sulphuric, Nitric, Hydrochloric, Oxalic,	{ Give an alkali (soap, soda, and whitewash usually at hand); limewater; magnesia; Provoke vomiting; avoid stomach-pump; Give ice cream and bland fluids; Secure rest; relieve pain by opium; Stimulate, if necessary; Feed by enema.
<i>Hydrocyanic Acid and Potassium Cyanide</i>	{ Stomach-pump or emetic; Stimulate; potassium permanganate; Give dilute ammonia-water—by intravenous injection, if necessary; chlorine-water; Cold affusions; Give atropine, gr. $\frac{1}{6}$, hypodermatically.
<i>Carbolic Acid and Creosote</i>	{ Give Epsom salts, dilute sulphuric acid, glycerin, and oil; atropine, hypodermatically; Stomach-pump or emetics; White of egg; amyl nitrite; Stimulate; artificial heat.
<i>Alkalies—</i> { Ammonia, Soda, Potash, Lye,	{ Give vinegar, lemon-juice, or orange-juice, or other acid or a fixed oil; Give bland liquids; Secure rest; relieve pain by opium; Stimulate, if necessary.
<i>Arsenic—</i> { Paris green, Scheele's green, Fowler's solution,	{ Stomach-pump or emetics; Give hydrated oxide of iron or dialyzed iron and magnesia; Give dose of castor oil; Secure rest; Stimulate, if necessary.
<i>Acetate of Lead</i>	{ Stomach-pump or emetics; Give Epsom salts or dilute sulphuric acid; Milk, raw eggs, and water; Morphine hypodermatically for pain; Potassium iodide to eliminate the drug.
<i>Mercury, Corrosive sublimate, Antimony, Tartar Emetic,</i> }	{ Emetics; careful lavage; Give some infusion containing tannic acid; Give raw eggs and milk; bland liquids; Give dose of castor oil; Stimulate, if necessary.
<i>Copper Salts</i>	{ Give albumin (milk, raw eggs); Stomach-pump or emetics; Give bland fluids.
<i>Phosphorus</i>	{ Provoke vomiting by repeated five-grain doses of sulphate of copper; Potassium permanganate ($\frac{1}{4}$ — $\frac{1}{2}$ per cent.); Give dose of magnesia, but no oil.
<i>Nitrate of Silver (lunar caustic),</i> }	{ Give strong salt and water; } repeat many times. Provoke vomiting;
<i>Iodine</i>	{ Stomach-pump or emetics; Give starch and water; Give bland fluids.

POISON.	TREATMENT.
<i>Opium—</i> Morphine, Laudanum, Paregoric, etc., }	{ Stomach-pump; emetic; potassium permanganate, by mouth or hypodermat-ically; ammonia; hot strong coffee by the bowel; atropine hypodermatically; oxygen-inhalations; artificial respira-tion; lingual traction.
<i>Chloral—</i> Paraldehyde, }	{ Stomach-pump or emetic; artificial heat; massage; stimulate; strychnine; amyl nitrite; artificial respiration.
<i>Nux Vomica—</i> Strychnine, Picrotoxin, }	{ Stomach-pump or emetic; animal char-coal or tannic acid; bromide and chloral; amyl nitrite; chloroform or ether; curare; artificial respiration.
<i>Aconite—</i> Veratrum viride, }	{ Stomach-pump or emetic; stimulate; heat; atropine; artificial respiration.
<i>Hemlock,</i> <i>Toadstool,</i> <i>Tobacco, etc., etc., }</i>	{ Provoke vomiting and give a purge; tannic or gallic acid; Stimulate well; keep up breathing.
<i>Belladonna or Atropine,</i> <i>Hyoscyamus or Hyoscinamine,</i> <i>Duboisia or Duboisine,</i> <i>Stramonium or Daturine,</i> }	{ Stomach-pump or emetic; stimulate; Enema hot strong coffee; artificial heat; morphine; pilocarpine; physostig-mine; artificial respiration.
<i>Alcohol</i> }	{ Stomach-pump or emetic; Give ammonia and water.
<i>Decayed Meat or Vegetables</i> }	{ Provoke vomiting; wash out stomach; Give a purgative; give an enema; Give powdered charcoal and hydrogen dioxide.
<i>Poisonous Gases—</i> Carbonic acid or oxide,) Sulphuretted hydrogen,)	{ Fresh air; oxygen; Artificial respiration; Amyl nitrite or nitro-glycerin; Stimulation.

To provoke vomiting. warm water may be used, with or without ground mustard (3ss to a pint of water), or ipecac (5i of the powder or f5ss of the syrup), or a finger may be thrust down the throat. It is best to give large quantities at a time of warm water whenever vomiting is to be excited. The stomach pump or simple siphon tube, if accessible, is better. Apomorphine (gr. $\frac{1}{2}$ -gr. $\frac{1}{4}$) subcutaneously is a reliable emetic.

Bland Liquids are milk, raw eggs, some sort of oil, mucilage, barley-water, gruel, etc.

Stimulants are tea, coffee, whiskey, wine, etc., or ammonia and water. Of this last a teaspoonful in a teaspoonful of water will be enough for a dose. In making tea or coffee one must not wait to do it as if for the table, but mix hot water and the leaves or grounds, squeeze them well, stir together, and give the whole—leaves, grounds, everything.

Alkaline antidotes which are most likely to be at hand are ammonia and water (a tablespoonful in two teaspoonfuls of water), soap and water, lime, whiting, soda, chalk, tooth-powder, plaster, magnesia, white-wash, and even wood-ashes.

Acid antidotes most commonly accessible are vinegar and lemon-juice.

In giving an antidote it is well to remember that it is not always necessary to wait for it to dissolve, but that it may be stirred up in any fluid at hand (except oil), and swallowed immediately.

Antagonists are drugs which physiologically oppose the poison, as atropine to opium, chloral to strychnine, pilocarpine to atropine.

TABLE OF DOSES

OF REMEDIES MOST FREQUENTLY ADMINISTERED.

For hypodermatic use the dose should be half that used by the mouth.

For use by rectum the dose should be twice that used by the mouth.

Doses for Children. Dr. Young's rule: Add 12 to the age, and divide by the age to give the denominator of a fraction, the numerator of which is 1.

Example: For a child two years old, $\frac{12+2}{2} = \frac{1}{7}$; the dose should be $\frac{1}{7}$ th that for an adult. In giving powerful medicines and opium still smaller doses must be used for children.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Abstracta. (<i>See Extracta. Double the dose.</i>)	2-15	0.1 — 1.
Acetanilid (antifebrin)	$\frac{1}{2}$ — $\frac{1}{2}$	0.001 — 0.003
Acid. arsenos	5-15	0.3 — 1.
benzoic.	5-10	0.3 — 0.65
boric.	15-30	1. — 2.
camphoric. (to check night-sweats)	$\frac{1}{2}$ — $\frac{1}{2}$	0.03 — 0.1
carbolic.	3-60	0.2 — 4.
gallic.	10-60	0.65 — 4.
hydriodic dil.	10-60	0.65 — 4.
hydrobrom. dil.	5-20	0.3 — 1.3
hydrochlor. dil.	2-6	0.1 — 0.35
hydrocyan. dil.	5-20	0.3 — 1.3
nitric. dil.	5-20	0.3 — 1.3
nitro-hydrochlor. dil.	5-30	0.3 — 2.
phosphoric. dil.	5-20	0.3 — 1.3
salicilic.	5-30	0.3 — 2.
sulphuric. dil.	5-30	0.3 — 2.
sulphuric. arom.	5-15	0.3 — 1.
tannic.	2-10	0.1 — 0.65
Aconitina (white crystals)	$\frac{3}{100}$ — $\frac{2}{100}$	0.0002 — 0.0003
Adonidin (heart-tonic)	$\frac{1}{10}$ — $\frac{1}{3}$	0.006 — 0.02
Adrenal gland	1-5	0.06 — 0.3
Agaricin (to check night-sweats)	$\frac{1}{4}$ — $\frac{1}{4}$	0.008 — 0.015
Agathin (analgesic)	8-15	0.5 — 1.
Aloe.	2-5	0.13 — 0.3
Aloinum	$\frac{1}{8}$ —3	0.008 — 0.2
Aluminum chlorid.	2-10	0.1 — 0.65
Ammonii benzoas	10-20	0.65 — 1.3
bromid.	5-30	0.3 — 2.
carb.	3-10	0.2 — 0.65
chlorid.	10-30	0.65 — 2.
iodid. vel valer.	2-15	0.1 — 1.
Amyl nitril (inhaled or internally)	2-5	0.1 — 0.35
Amylene hydrate (hypnotic)	10-60	0.6 — 4.
Analgen (analgesic, antipyretic)	8-30	0.5 — 2.
Antimon. et pot. tart.; diaph.	$\frac{2}{10}$ — $\frac{1}{10}$	0.003 — 0.006
et pot. tart.; emetic	1-2	0.06 — 0.13
Antipyrin	2-15	0.1 — 1.
Apioi	5-10	0.3 — 0.65
Apomorph. hydrochlor.	$\frac{3}{10}$ — $\frac{1}{10}$	0.003 — 0.006
Argentii nitras.	$\frac{1}{8}$ — $\frac{1}{4}$	0.01 — 0.03
oxidum	$\frac{1}{2}$ —2	0.032 — 0.13
Argentol	2-15	0.13 — 1.
Arsenii bromid.	$\frac{1}{10}$ — $\frac{1}{10}$	0.001 — 0.004
iodidum	$\frac{1}{10}$ — $\frac{1}{10}$	0.001 — 0.006

	REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
	Asaprol (locally, 2%), internally	5—20	0.3 — 1.3
	Aspirin	15—30	1. — 2.
	Atropinæ sulphas	$\frac{1}{16}$ — $\frac{1}{2}$	0.0005—0.002
	Auri et sodii chlorid.	$\frac{3}{32}$ — $\frac{1}{2}$	0.002 — 0.008
	Barit chlorid.	$\frac{1}{2}$ —5	0.032 — 0.3
	Benzacetin (anti-neuralgic)	10—20	0.65 — 1.3
	Benzonaphthol	2—10	0.13 — 0.65
	Beta-naphthol	2—5	0.13 — 0.32
	Bismuthi salicylas <i>vel</i> subgallas	5—20	0.3 — 1.3
	subcarbonas <i>vel</i> subnitras	5—60	0.3 — 4.
	Bromoformum (in whooping-cough, etc.)	5—10	0.3 — 0.65
	Butyl-chloral hydrate	5—10	0.32 — 0.65
	Caffeina	1—5	0.06 — 0.3
	Calcii chlorid. hydrat.	5—20	0.3 — 1.3
	Calcii lacto-phosphas	5—10	0.3 — 0.65
	Camph. monobrom.	2—5	0.1 — 0.3
	Cerif oxalas	1—10	0.06 — 0.6
	Chloral	3—20	0.2 — 1.3
	Chloralamidum (hypnotic)	15—60	1. — 4.
	Chloralose (hypnotic, sedative)	3—15	0.2 — 1.
	Chloretone	15—45	1. — 3.
	Chloroformum	1—30	0.06 — 2.
	Chrysarobinum	$\frac{1}{2}$ —8	0.01 — 0.2
	Cinchonidina, and its salts	$\frac{1}{2}$ —30	0.3 — 2.
	Cocaina (locally, 1 to 4 % sol.), internally	$\frac{1}{16}$ — $\frac{1}{2}$	0.004 — 0.03
	Codeina	$\frac{1}{16}$ —2	0.004 — 0.13
	Colchicin	$\frac{1}{100}$ — $\frac{1}{8}$	0.0006—0.0013
	Conifina, and its salts	$\frac{1}{100}$ — $\frac{1}{8}$	0.0006—0.01
	Copaiba	15—60	1. — 4.
	Cresotum	$\frac{1}{2}$ —20	0.032 — 1.3
	Creosote valerianate <i>vel</i> carbonate	3—30	0.19 — 2.
	Creolin (locally, $\frac{1}{2}$ to 2 % sol.), internally	$\frac{1}{2}$ —5	0.03 — 0.3
	Croton chloral	1—5	0.06 — 0.3
	Cubeba	2—60	0.12 — 4.
	Cupri acetas	$\frac{1}{2}$ — $\frac{1}{2}$	0.008 — 0.03
	arsenis	$\frac{1}{100}$ — $\frac{1}{2}$	0.0006
	sulphas	$\frac{1}{16}$ — $\frac{1}{2}$	0.004 — 0.015
	Digitalinum	$\frac{1}{16}$ — $\frac{1}{2}$	0.005 — 0.03
	Digitalis	$\frac{1}{16}$ —2	0.008 — 0.13
	Dionin	$\frac{1}{2}$ —1	0.015 — 0.06
	Duboisina, and salts	$\frac{1}{16}$ — $\frac{1}{8}$	0.0005—0.001
	Elaterinum	$\frac{1}{16}$ — $\frac{1}{2}$	0.001 — 0.005
	Elaterium	15—60	0.004 — 0.016
	Ergota	15—60	1. — 4.
	Ergotinum	2—8	0.13 — 0.5
	Eserina, and its salts	$\frac{1}{2}$ —20	0.001 — 0.003
	Ethyl iodidum (inhalation)	5—20	0.31 — 1.3
	Europhen	2—2	0.016 — 0.13
	Exalgin (analgesic; give with alcohol)	2—6	0.15 — 0.1
	Extractum aconiti	$\frac{1}{16}$ — $\frac{1}{2}$	0.005 — 0.015
	aconiti fluid.	$\frac{1}{2}$ — $\frac{1}{2}$	0.03 — 0.06
	bellad. alcohol	$\frac{1}{2}$ — $\frac{1}{2}$	0.01 — 0.03
	bellad. fl.	1— $\frac{1}{2}$	0.06 — 0.02
	buchu fl.	30—60	2. — 4.
	cactus grandiflor. fl.	5—10	0.31 — 0.62
	calumbæ fl.	15—30	1. — 2.
	cannab. ind. (with caution)	$\frac{1}{16}$ — $\frac{1}{2}$	0.004 — 0.03
	cannab. ind. fl. (with caution)	$\frac{1}{2}$ — $\frac{1}{2}$	0.03 — 0.06
	cascare sagrad. fl.	10—30	0.6 — 2.
	ctmicefuge fl.	5—30	0.3 — 2.
	colchici fl.	2—8	0.12 — 0.5
	colocyntidis comp.	5—15	0.3 — 1.
	conii fl.	1—10	0.06 — 0.6
	convallariæ fl.	5—30	0.3 — 2.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Extractum digitalis	$\frac{1}{2}$ — 1	0.008 — 0.06
digitalis fl.	1 — 6	0.06 — 0.4
ergotæ	$\frac{1}{2}$ — 15	0.03 — 1.
ergotæ fl.	15 — 60	1. — 4.
erythroxylî fl. (coca)	15 — 120	1. — 8.
eucalypti fl.	5 — 30	0.03 — 2.
euphorbiæ piluliferæ	30 — 60	2. — 4.
gelsemii fl.	2 — 5	0.13 — 0.3
gossypii fl.	15 — 60	1. — 4.
grindeliæ rob. fl.	10 — 60	0.6 — 4.
guaranæ fl.	30 — 120	2. — 4.
hamatoxyli	10 — 30	0.6 — 2.
hydrastis fl.	10 — 120	0.6 — 2.
hyoseyami alcohol.	$\frac{1}{2}$ — 2	0.03 — 0.13
hyoseyami fl.	2 — 8	0.1 — 0.5
ignatie	$\frac{1}{2}$ — $\frac{1}{2}$	0.008 — 0.03
iridis fl.	5 — 10	0.3 — 0.65
jalapæ	5 — 10	0.3 — 0.65
kava-kava fl.	15 — 60	1. — 4.
leptandræ fl.	20 — 30	1.3 — 2.
lobeliæ fl.	1 — 5	0.06 — 0.3
matico fl.	30 — 60	2. — 4.
nucis vomicæ	$\frac{1}{2}$ — $\frac{1}{2}$	0.008 — 0.03
nucis vomicæ fl.	1 — 5	0.06 — 0.3
opii	$\frac{1}{8}$ — 1	0.008 — 0.06
physostigmatis	$\frac{1}{16}$ — $\frac{1}{4}$	0.004 — 0.01
pilocarpi fl.	5 — 30	0.3 — 2.
podophylli	$\frac{1}{2}$ — 3	0.03 — 0.2
prun. virg. fl.	30 — 60	2. — 4.
pulsatillæ fl.	2 — 5	0.1 — 0.3
quebracho fl. (aspidosperma)	20 — 60	1.3 — 4.
rhei fl.	5 — 30	0.3 — 2.
scillæ fl.	2 — 3	0.1 — 0.2
scoparii fl.	15 — 60	1. — 4.
senegæ fl.	1 — 5	0.06 — 0.3
scennæ fl.	60 — 240	4. — 16.
serpent. fl.	20 — 30	1.3 — 2.
spigeliæ fl.	10 — 60	0.6 — 1.
stillingiæ fl.	15 — 45	1. — 3.
stramonii	$\frac{1}{2}$ — $\frac{1}{2}$	0.015 — 0.03
syzygii jambolini fl.	5 — 10	0.3 — 0.7
taraxaci	5 — 60	0.3 — 4.
uva ursi fl.	30 — 60	2. — 4.
valer. fl.	30 — 60	2. — 4.
veratr. vir. fl.	2 — 8	0.1 — 0.5
viburni prunifolii fl.	30 — 60	2. — 4.
xanthoxyli fl.	15 — 60	1. — 4.
Fel bovis purif.	5 — 10	0.3 — 0.65
Ferri arsen.	$\frac{1}{20}$ — $\frac{1}{4}$	0.003 — 0.01
bromid.	1 — 5	0.06 — 0.3
carb. sacch.	2 — 15	0.1 — 1.
hypophosphis	5 — 10	0.3 — 0.65
iodidum sacch.	2 — 5	0.13 — 0.33
lactas	1 — 3	0.06 — 0.2
oxid. hydrat. cum. magnea. } (antidote to arsenic), }	{ f3 $\frac{1}{2}$ — f3 1 } frequently }	16. — 32.
pyrophosphas	1 — 5	0.06 — 0.3
sulphas	1 — 3	0.06 — 0.2
sulphas exsiccât.	$\frac{1}{2}$ — 24	0.03 — 0.15
valer.	1 — 3	0.06 — 0.2
Ferrum dialys.	1 — 15	0.06 — 1.
reduct.	1 — 5	0.06 — 0.3
Gallobromol.	74	0.5
Guaiacol (internally)	$\frac{1}{2}$ — 5	0.015 — 0.3
(topically)	10 — 60	1.3 — 4.

Grains or Cm.	REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
0.08—11	Guaiacol carbonas <i>vel</i> benzoas	1—10	0.02 — 0.6
0.06—1	valerianate	2—20	0.12 — 1.3
1—4	Heroin	1/4—1/2	0.005 — 0.02
1—4	Homatropina hydrobrom.	1/4—1/2	0.01 — 0.15
0.05—4	Hydrarg. chlor. corros.	1/4—1/2	0.001 — 0.006
2—4	chlor. mife	1/4—1/2	0.004 — 0.65
0.13—41	iodid. rubr.	1/4—1/2	0.0013 — 0.006
1—4	iodid. flav.	1/4—1/2	0.01 — 0.06
0.6—4	subsulphas flav., as emetic	2—5	0.12 — 0.3
2—4	c. creta	8—8	0.2 — 0.5
0.6—1	Hydrastin	2—5	0.2 — 0.1
0.1—1	Hydrastinin hydrochlorate	1/4—1/2	0.005 — 0.01
0.1—1	Hydrogeni dioxid. (1 vol. sol.) locally cally (2 to 100), antiseptic, }	30—120	2. — 8
0.2—0.03	Hyoscina hydrobrom.	2/35—1/5	0.0003 — 0.0009
0.3—0.01	Hyoscyamina sulph.	2/35—1/5	0.0003 — 0.001
1—1	Ichthalbin	2—5	0.13 — 0.3
13—1	Ichthylol locally, 10 to 50 <i>gr.</i> , internally	3—5	0.2 — 0.3
0.06—0.1	Infusum digitalis	f3 1—f3 4	4. — 16.
2—4	Iodoformum	1—5	0.06 — 0.3
0.008—0.01	Iodol	1—4	0.01 — 0.03
0.06—0.1	Iodum	1/4—1/2	0.006 — 0.015
0.05—0.1	Ipecacuanha { expect. emetic.	1/4—1/2	0.01 — 0.06
0.004—11	Jalapa	15—30	1. — 2.
0.3—1	Kryofin	15—30	1. — 2.
0.1—1	Lactophenin antipyretic	10—80	0.65 — 2
2—4	Liq. ammon. acet.	8—15	0.5 — 1
0.1—1	arsen. et hydr. iod., { <i>To be in-</i> potassii arsenit., { <i>creased</i> sodii arsenatis, { <i>cautiously.</i>	f3 2—f3 8	8. — 32.
1—1	ferri chloridi	1—5	0.06 — 1.
1—1	ferri dialys.	2—10	0.15 — 0.65
1—4	potassii citrat.	10—30	0.65 — 2.
0.4—1	Lithii benzoas <i>vel</i> bromid. <i>vel</i> salicylas	f3 2—f3 4	8. — 16.
1—1	carb. <i>vel</i> citras	5—20	0.3 — 1.3
0.6—1	Magnesi carb.	2—10	0.13 — 0.65
1—1	citr. gran.	15—60	1. — 1.
0.015—0.1	Malakin (analgesic, antipyretic)	3 2—3 8	8. — 32.
0.3—0.1	Mangani oxid. nigr.	15—20	1. — 1.3
0.3—1	Massa copaibæ	1—5	0.06 — 0.3
2—4	ferri carb.	5—30	0.3 — 2.
2—4	hydrarg.	5—15	0.3 — 1.
0.1—1	Metylene blue with powdered nut-) meg (malarial fevers), }	1—15	10.06 — 1.
2—4	Mist. asafoetide	1—5	0.06 — 0.3
1—1	chloroformi	f3 4—f3 8	6. — 32.
0.1—1	ferri et amm. acet.	f3 1—f3 8	4. — 32.
0.1—1	glycyrrhizæ comp.	f3 1—f3 4	4. — 32.
0.1—1	magnes. et asafoet.	f3 1—f3 4	4. — 32.
0.1—1	rhei et sodæ	f3 1—f3 1	16. — 32.
0.1—1	Morphina, and its salts	f3 1—f3 1	0.004 — 0.03
0.5—1	Morrhual (derivative of cod-liver oil)	1/4—1/2	0.015 — 4.
16—2	Moschus	3—60	0.1 — 1.
0.1—1	Naphthalin	2—15	0.1 — 1.
0.1—1	Narceina	5—20	0.3 — 1.3
0.1—1	Nitro-glycerinum (<i>Trendlen.</i> , <i>spls.</i> <i>Glo-</i> <i>nom</i>), 1% solution	1—10	0.01 — 0.3
0.1—1	Oleoresina aspidii (<i>filix mas</i>)	15—60	0.3 — 1.3
0.1—1	capsici	1—4	0.01 — 0.03
0.1—1	cubebæ	5—20	0.3 — 1.3
0.5	Oleum copaibæ	8—15	0.5 — 1.
0.015—0.1	erigerontis	5—16	0.3 — 1.
1.3—4	eucalypti	5—10	0.3 — 0.6
	gaultheriæ	3—10	0.2 — 0.65

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Oleum phosphoratum	1 — 3	0.06 — 0.2
santali	10 — 30	0.7 — 2.
terebinthina	2 — 30	0.12 — 2.
tiglii	gtt. $\frac{1}{2}$ — 2	0.03 — 0.13
Opium (14% morphine)	$\frac{1}{6}$ — 2	0.008 — 0.12
Palladium chlorid.	$\frac{1}{8}$ — $\frac{1}{4}$	0.01 — 0.02
Pancreatin	10 — 20	0.7 — 1.3
Paraldehyde	20 — 60	1.3 — 4.
Peronin	$\frac{1}{6}$ — $\frac{1}{3}$	0.01 — 0.04
Phenacetin	2 — 6	0.1 — 0.4
Phenocoll hydrochloride	8 — 15	0.5 — 1.
Phosphorus	$\frac{1}{12}$ — $\frac{1}{6}$	0.0005 — 0.0013
Physostigminæ sulphas	$\frac{1}{12}$ — $\frac{1}{6}$	0.0005 — 0.0011
Picrotoxinum	$\frac{1}{60}$ — $\frac{1}{15}$	0.0011 — 0.0065
Pilocarpina, and salts	$\frac{1}{4}$ — $\frac{1}{2}$	0.001 — 0.03
Piperazin	15 (daily).	1 (daily).
Plumbi acetat.	$\frac{1}{4}$ — 3	0.03 — 0.2
Potassii acetat vel bicarbonas	15 — 60	1. — 4.
bichromas	$\frac{1}{15}$ — $\frac{1}{6}$	0.004 — 0.01
bitartas vel bromidum	5 — 60	0.5 — 4.
chloras	5 — 20	0.3 — 1.3
cyanidum	$\frac{1}{15}$ — $\frac{1}{4}$	0.003 — 0.008
iodidum	5 — 60	0.3 — 4.
nitras	2 — 15	0.13 — 1.
permanganas	$\frac{1}{5}$ — 5	0.03 — 0.32
Protargol	1 — 3	0.06 — 0.2
Pulv. antimonialis	1 — 3	0.06 — 0.2
Pulv. glycyrrhizæ comp.	30 — 60	2. — 4.
Ipecac. et opii	5 — 15	0.3 — 1.
Jalapæ comp.	10 — 60	0.6 — 4.
morphinæ comp.	5 — 15	0.3 — 1.
rhei comp.	5 — 60	0.3 — 4.
Resina copaibæ	2 — 10	0.13 — 0.65
euonymi	2 — 5	0.13 — 0.3
guaiaci	5 — 20	0.3 — 1.3
Jalapæ	2 — 5	0.13 — 0.3
podophylli	$\frac{1}{2}$ — $\frac{1}{2}$	0.005 — 0.03
scammonii	2 — 10	0.13 — 0.65
Resorcin	2 — 5	0.1 — 0.3
Rheum	2 — 30	0.13 — 2.
Saccharin (substitute for sugar)	$\frac{1}{4}$ — 5	0.03 — 0.3
Salacetol (intestinal antiseptic)	20 — 40	1.3 — 2.6
Salipyrin (antipyretic, antineuralgic)	8 — 15	0.5 — 1.
Salol	2 — 10	0.15 — 0.65
Salophen (antipyretic, antirheumatic)	15 — 30	0.3 — 1.5
Santoninum	$\frac{1}{4}$ — 5	0.015 — 0.3
Scopolaminæ hydrochlor.	$\frac{1}{15}$ — $\frac{1}{4}$	0.00027 — 0.011
Senna	8 — 150	0.05 — 12.
Sodii arsenas	$\frac{1}{15}$ — $\frac{1}{10}$	0.001 — 0.006
benzoas	5 — 15	0.3 — 1.
boras vel bromidum	5 — 30	0.3 — 2.
hyposulphis	5 — 20	0.3 — 1.3
iodidum	2 — 30	0.13 — 2.
nitris	1 — 5	0.065 — 0.032
phosphas	2 — 120	0.13 — 8.
salicylas	5 — 30	0.3 — 2.
Sodium cacodylate	2 — 10	0.1 — 0.6
tellurate	3 — 6	0.2 — 0.1
Somnal	30 — 15	2. — 3.
Sparteina sulph. (cardiant and diuretic)	$\frac{1}{15}$ — $\frac{1}{4}$	0.001 — 0.25
Spiritus ætheris nitrosi	15 — 120	1. — 8.
æther. comp.	15 — 120	1. — 8.
ammonia arom.	15 — 60	1. — 4.
camphora	5 — 30	0.3 — 2.
chloroformi	15 — 60	1. — 4.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Strontii lactas <i>vel</i> bromidum <i>vel</i> iodidum <i>vel</i> salicylas	5-30	0.3 - 2.
Strychnina, and salts	$\frac{1}{4}$ - $\frac{1}{2}$	0.001 - 0.005
Stypticin	1 - 4	0.06 - 0.25
Sulphonal (best in hot mint-water)	5-20	0.3 - 1.3
Sulphur	3 $\frac{1}{2}$ - 3 4	2. - 16
Syr. ferri iodidi	5-30	0.03 - 2.
scillie comp.	5-30	0.03 - 2.
Tannalbin, Tannigen, Tannoform	5-15	0.32 - 1.
Terebene	5-15	0.3 - 1.
Terpin hydrate (tonic expectorant)	2-5	0.13 - 0.3
Tetronal (hypnotic)	15-60	1. - 4.
Theobromina et sodii salicylas (diuretic)	5-30	0.3 - 2.
Thiocol	5-15	0.3 - 1.
Thymacetin (analgesic, hypnotic)	8-15	0.5 - 1.
Thymol	1-5	0.06 - 0.3
Thyroid gland	1-5	0.06 - 0.3
Tinct. aconiti	$\frac{1}{2}$ - 5	0.03 - 0.3
aloes	15-60	1. - 4.
asafoetida	30-60	2. - 1.
belladonna	2-15	0.1 - 1.
cannabis ind.	5-20	0.3 - 1.3
capsici	8-15	0.5 - 1.
cimicifugae	30-60	2. - 4.
cinchona comp.	15-120	1. - 8.
colechici [scm.]	5-20	0.3 - 1.3
digitalis	2-15	0.2 - 1.
ferri chloridi	10-30	0.6 - 2.
gelsemii	2-15	0.1 - 1.
guaiaci ammon.	30-60	2. - 1.
hydrastis	30-120	2. - 8.
hyoscyami	5-30	0.3 - 2.
ignatiæ	5-30	0.3 - 2.
iodi comp.	7-15	0.06 - 1.
kino	15-120	0.1 - 8.
lobelia	5-30	0.3 - 2.
moschi	15-60	1. - 4.
nucis vomica	5-15	0.3 - 1.
opii	2-15	0.1 - 1.
opii camph.	5-240	0.3 - 16.
physostigmatis	5-15	0.3 - 1.
stramon.	5-15	0.3 - 1.
strophanthi (cardiant and diuretic)	2-10	0.1 - 0.65
valer. ammon.	10-120	0.6 - 8.
veratr. vir.	3-10	0.2 - 0.6
Tolypyrin (antipyretic, antirheumatic)	5-20	0.3 - 1.5
Tolysal (antipyretic, antirheumatic)	5-20	0.3 - 1.5
Trional (hypnotic)	15-60	1. - 1.
Uranium nitrate	5-10	0.32 - 0.65
Urethane (hypnotic)	5-30	0.3 - 2.
Urotropin	3-10	0.2 - 0.65
Vin. antim. { expectorant and alterative	1-8	0.06 - 0.5
{ emet.	30-75	2. - 5.
colechici	5-15	0.3 - 1.
ergotæ	f3 1-f3 3	4. - 12.
ipæac. { expect.	5-15	0.3 - 1.
{ emet.	f3 2-f3 6	8. - 24.
opii	5-15	0.3 - 1.
Zinci acet.	$\frac{1}{2}$ - 2	0.03 - 0.13
oxid.	1-5	0.06 - 0.3
phosphid.	$\frac{1}{10}$ - $\frac{1}{5}$	0.006 - 0.01
sulphas { alterative	$\frac{1}{2}$ - 6	0.015 - 0.1
{ emetic	15-30	1. - 2.
sulphocarbolas	5-15	0.3 - 1.
valerianas	$\frac{1}{2}$ - 5	0.03 - 0.3

THERAPEUTIC REMINDERS.

Abscess.

Alcohol, with milk.
Calcium sulphide. Cod-liver oil.
Hydrogen peroxide, 10 per cent. solution, to wash out.
Incision and antiseptic irrigation
Iodoform gauze, packed, or oily solution of iodoform injected.
Iron. Quinine.

Acidity.

Acids before meals.
Alkalies with or after meals.
Charcoal, creasote, bismuth.

Aene.

Fowler's solution or other arsenical.
Hot-water face-bath, followed by sulphur ointment or lotion.
Ichthyol ointment, 25 per cent.

Adenitis.

Hydrated calcium chloride (gr. 5).
Ichthyol, iodoform or iodoform-collodion, iodine ointment, tincture of iodine, locally.
Iron, syrup of the iodide, gtt. 5 to 20, in children.
Removal of gland.

Anemia.

Arsenic and iron, singly or combined.
Beta-naphthol. Bitters, with iron.
Chloride of gold and sodium.
Creosote. Bone-marrow.
Hypophosphites with cod-liver oil.
Laxatives and mineral acids.
Massage. Mercury in syphilitic cases.
Oxygen by inhalation.
Nitro-glycerin to relax vessels.
Pepsin or pancreatin.
Quinine in malarial cases.
Syrup of phosphate of iron, peroxide of hydrogen (10 vol. solution), and glycerin, equal parts (3ij in water)

Angina Pectoris.

Alcohol, when vascular relaxation.
Arsenic. Diet.
Ether, hypodermically during attack.
Iodides or salicylates.
Morphine, gr. $\frac{1}{4}$ to $\frac{1}{2}$, hypodermically.
Nitrite of amyl, gtt. 5, from handkerchief during attack.
Nitrite of sodium or potassium, gr. $\frac{1}{2}$ to 5, thrice daily.
Nitro-glycerin, 1 to 20 drops of 1 per cent. solution, by mouth or hypodermically, p. r. n.

Apoplexy.

Croton oil, 1 drop in glycerin on tongue.
Elaterinum, gr. $\frac{1}{4}$ in butter on tongue.
Massage and electricity contraindicated in inflammation.
Opium and calomel in meningitis.
Potassium iodide after attack.
Trephining in selected cases.
Venesection, if patient is full-blooded.
Veratrum viride or aconite, when venesection is impossible.

Asthma.

Adrenal gland. Ammonium chloride.
Amyl nitrite inhaled. Arsenic.
Aspidospermin.
Belladonna, with morphine.
Bromides before retiring.
Coffee, strong black, in intervals.
Chloroform inhaled relaxes, liniment to chest prevents, spasm.
Fumes of potassium nitrate, with belladonna and stramonium.
Grindelia. Hyoscin. Tincture of lobelia. Ipecacuanha, to nausea.
Morphine, hypodermically.
Nitro-glycerin. Paraldehyde. Potassium iodid.
Pyridin. Quebracho.
Sodium nitrite. Strychnine and atropine, hypodermatically.

Bed-sores.

Alum, with spirit of camphor and white of egg. Adhesive plaster.
Antiseptic wash, with iodoform.
Collodion. Iodoform collodion.
Glycerin, after washing and rubbing
Soap plaster, after washing with bicarbonate solution, with iodoform.
Zinc ointment or dusting-powder.
Balsam of Peru, ointment.

Bright's Disease, Acute.

Rest in bed. Basham's mixture.
Cannabis indica, in hæmaturia.
Cups or leeches, over loins if urine scanty.
Digitalis, with squill or calomel, gradually increased, followed by compound spirit of juniper.
Heat. Milk diet.
Gallic acid and ergot, to control hæmaturia. Methylene-blue.
Pilocarpine hydrochlorate, gr. $\frac{1}{4}$ to $\frac{1}{2}$, hypodermically, for uræmia.
Saline diuretics and diaphoretics.

Bright's Disease, Chronic.

Chloride of gold and sodium.
 Chloride of iron, in anemia, to decrease albuminuria. Nitroglycerin.
 Lithium salts, in gouty. Milk diet.
 Mercuric chlor. Oxygen inhalations.
 Potassium acetate, with juniper.
 Potassium iodide, gr. 5, thrice daily.
 Sodium arsenite, gr. $\frac{1}{10}$, in gouty.
 Strontium lactate. Turkish baths.

Bronchitis.

Amber oil, to chest, in infants.
 Ammonium carbonate, chloride, etc.
 Balsams, to decrease secretion in chronic. Belladonna.
 Codeine, when cough excessive.
 Creosote, in chronic.
 Dry cups, on each side of vertebræ, at sixth rib.
 Eucalyptus oil, in later stages.
 Grindelia, in later stages.
 Ipecac, to promote secretion, as emetic when suffocation threatens.
 Iodide of potassium.
 Oxygen inhalations.
 Senega, in chronic.
 Strychnine, to stimulate respiration.
 Terebene. Terpin hydrate, gr. v.
 Turpentine liniment to chest.
 Vomiting (apomorphine) in capillary.

Burns (locally).

Boric acid. Carbolyzed sweet-oil.
 Ichthyol ointment. Lead carbonate.
 Lime-water, linseed oil. Picric acid.
 Sodium carbonate. Zinc oxide.

Cholera Asiatica.

Beta-naphthol. Salol.
 Calomel, initial large dose (gr. x); subsequent fractional doses (gr. $\frac{1}{2}$).
 Enteroclysis (tannic acid enemata).
 Hypodermatoclysis (subcutaneous infusion, 0.6 % saline solution).
 Intravenous infusion. Hot baths.
 Musk. Protective inoculation.
 Stimulants.

Cholera Infantum.

Albumin-water or barley-water.
 Castor oil, with paregoric.
 Hot drinks, in collapse, with brandy.
 Mustard or spice plaster, over belly.
 Opiates, with utmost caution, if it all.
 Rectal irrigation, hot or cold, according to temperature.
 Salol or bismuth salicylate.
 Sterilized milk with pancreatin.

Cholera Morbus.

Castor oil, with laudanum.
 Ipecac, rhubarb. Magnesium sulphate.
 Mustard plaster, over abdomen.

Chorea.

Arsenic, in ascending doses.

Chorea (continued).

Chloral. Cimicifuga, with iron.
 Hot pack, for insomnia.
 Quinine. Salicylates or iodides.

Colic.

Ascertain cause (may be appendicitis).
 Asafetida. Ether, internally.
 Heat. Hyoscyamus. Morphine.

Colic, Hepatic.

Chloroform or ether, inhalations.
 Hot applications.
 Morphine, with atropine, hypodermically.
 Olive or cotton-seed oil.
 Phosphate of sodium.

Conjunctivitis, Chronic.

Boric acid, wash (gr. 10 to ounce), cocaine, gr. 2, if no corneal ulcer, when salt, gr. 4, may be substituted.
 Copper sulphate crystals or solution (gr. 1-8 to ounce).
 Tannin glycerite (gr. x-xxx to 3j).

Conjunctivitis, Purulent.

Atropine or eserine, if corneal ulcer.
 Bichloride of mercury (1 to 7000), or boric acid (saturated solution) wash.
 Hot compress, if cornea is threatened.
 Ice compress, early.
 Silver nitrate, stick or solution (gr. 10 to ounce), excess neutralized with salt solution.

Constipation.

Aloes and podophyllin.
 Belladonna or hyoscyamus.
 Cascara sagrada. Castor oil.
 Colocynth, jalap, or senna. Diet.
 Electrical applications. Enemata.
 Glycerin, suppositories or enemata.
 Gymnastics, riding, or massage.
 Phosphate of sodium, in rickets.
 Salines, to unload bowels.
 Soap suppositories.
 Sulphur, if hemorrhoids present.
 Strychnine, as tonic.

Coryza.

Atropine, with morphine and quinine.
 Camphor, snuff, or inhalation of spirit.
 Cocaine (2 per cent. solution), instilled.
 Hot mustard foot-bath, hot draught.
 Dover's powder, rest in bed.
 Quinine, internally or spray.
 Turkish bath, aborts.

Croup, Membranous, and Diphtheria.

Boric acid with glycerin, locally.
 Corrosive sublimate, gr. $\frac{1}{4}$, every 2 h., or calomel, gr. $\frac{1}{2}$ to 1, hourly.
 Antitoxin. Emetics. Intubation.
 Hydrogen dioxide (spray, gargle, swab). Formalin (locally).

Croup. Membranous, and Diphtheria (*continued*).

Iron, tincture of chloride, locally and internally. Guaiacol (50 %), locally. Lime-water or lactic acid solution by swab or in spray. Oxygen inhalations. Atropine. Strychnine. Musk. Quinine. Papayotin or trypsin, by swab or spray. Steam and vapors from slaking lime. Tracheotomy.

Croup. Spasmodic.

Amyl nitrite, inhalations. Belladonna, bromides, chloral, or opium. Cold cloth around neck, and child in hot bath, air being moistened. Ipecac to nausea. Spongio-piline or flannel, wet with hot water, to neck, covered with oil silk. Treat rickets.

Cystitis, Acute.

Rest. Belladonna. Boric acid. Cannabis indica. Creolin, vesical wash (1 to 2 per cent.). Flaxseed tea. Hot compress over bladder. Hot sitz-bath and enemata. Laudanum, grt. 30, to starch-water, oz. 2, in enema. Fl. ext. pichi. Opium, belladonna, or iodoform suppository. Urotropin.

Cystitis, Chronic.

Alkaline and antiseptic irrigation. Arbutin, gr. 3 to 5, or buchu. Benzoic or boric acid. Opium suppositories. Potassium salts, except bitartrate. Turpentine, oil of sandalwood, cubeb, or copaiba. Silver nitrate, solution (gr. 1 to oz. 4). Strychnine and cantharides, when vesical atony is great.

Delirium Tremens.

Capsicum and liquid food. Chloral, with ammonium carbonate and coca. Hyosine. Sulphonal. Bromides. Morphin.

Diabetes Mellitus.

Antipyrin. Arsenic. Codeine, grs. 1-5. Ergot or gallic acid, with opium. Jambul. Pancreatic extract. Iron, lactophosphates of lime and sodium, strychnine and astringents. Lithium, with arsenic. Guaiacol. Salol. Opium, oxygen, and H₂O₂. Levulose. Purgatives, restricted diet, and regulated exercise. Salicylates. Sodium phosphate. Strontium bromide.

Diarrhœa.

Rest. Ammonium chloride, grs. 5. Bismuth, with creasote. Calomel, with a saline. Camphor, in serous types. Castor oil, with rhubarb or laudanum and sodium bicarbonate. Chalk mixture, with kino and catechu. Charcoal, in acid and fermentative. Chloroform, with astringents and opium. Digitalis. Strychnine. Copper sulphate, gr. $\frac{1}{2}$, with opium. Ergot. Hamatoxylon. Lime-water. Mercury, with chalk. Milk-diet. Naphthalin or beta-naphthol. Nitric acid, with bitter tonic, in green diarrhœa of children. Nitro-muriatic acid, or podophyllin. Pepsin, with hydrochloric acid. Phosphate of sodium, lime salts, and common salt, if rickets present. Rhubarb. Sulphuric acid, valuable in serous. Thymol, salol, and morphine.

Dropsy.

Recumbency. Adonidin, sparteine, or strophanthus. Calomel and caffeine. Cocaine. Colocynth, compound extract. Digitalis. Theobromine sodio-salicylate. Elaterium, in renal. Hot-air bath. Jalap, compound powder, with potassium bitartrate, in renal. Magnesium sulphate, concentrated solution. Pilocarpine, in renal dropsy. Potassium iodide.

Dysentery.

Ergot, in bloody stools. Hamamelis, injections. Ice-water, injections. Ipecac, in acute. Lead acetate, with opium and camphor. Magnesium sulphate. Mercury bichloride, gr. 100. Nitro-hydrochloric acid. Peroxide of hydrogen and tannin, rectal injections. Potassium chlorate, rectal injections. Quinine enemata. Silver nitrate, rectal injections (gr. 10 to 20 to ounce).

Dysmenorrhœa.

Antipyrin or acetanilide, in neuralgic. Apol. Manganese. Belladonna, suppository. Camphor, with acetanilide or antipyrin. Cannabis indica and gelsemium. Hot sitz-bath, with turpentine stupe, and Dover's powder. Iron, strychnine, and quinine, with rest and riding.

Dyspnea.

Ammonium carbonate.
Arsenic, in emphysema.
Aspidospermine.
Dry cupping over back.
Morphine. Nitrites.
Oxygen.
Quebracho, with bromide.
Strychnine, with atropine.

Eclampsia.

Amyl nitrite, inhalation.
Chloral and bromide, each 1 drachm,
by rectum.
Chloroform.
Chluterium, gr. $\frac{1}{2}$. Jalap.
Extraction of child.
Hot bath. Opium. Venesection.

Epididymitis.

Guaiacol, topically.
Ice-bags. Ichthyol. Iodide of potassium
iodine, or silver nitrate solution.
Mercury and belladonna ointments,
equal parts, or iodine, grs. 4, with
lanolin, ounce 1, locally.
Strapping testicle.

Epilepsy.

Amyl nitrite, inhalations.
Antifebrin and antipyrin.
Belladonna, with bromides. Borax.
Bromides. Chloral, with bromides.
Sulphonal. Trional. Urethane.

Epistaxis.

Acetic acid, locally.
Alum powder, pure or with starch.
Ergot, turpentine, hamamelis, or oil
of erigeron, internally.
Hot-water and hot foot-bath, cold-wa-
ter bags to dorsal vertebrae.
Ice applied to nose.
Nitrate of silver stick to septal ulcer.
Plugging anterior and posterior nares.
Vinegar or lemon-juice, injected.

Fever.

Rest in bed.
Aconite. Alcohol.
Cold baths, coils, packs, sponging, ice-
bags, etc.
Musk, by rectal injection. Quinine.
Solution of potassium citrate or of am-
monium acetate.
Spirit of nitrous ether.
Strychnine.

Gastralgia.

Arsenic. Belladonna. Silver.
Bismuth and pepsin, after meals.
Bromides or valerian.
Counter-irritation.
Cannabis indica. Hoffman's anodyne.
Hot applications.
Massage, enemata, diet, suppositories

Gastralgia (continued).

of gluten, glycerin, or soap, to over-
come constipation.

Gastric Catarrh. Acute.

Cocaine (in vomiting). Diet.
Effervescing draughts. Ice.
Milk, with lime-water (peptonized).
Seidlitz powder, one-fourth of one
every fifteen minutes.
Sodium bicarbonate, with gentian.

Gastric Catarrh. Chronic.

Bismuth subnitrate. Nux vomica.
Diet, koumyss, light broths.
Lavage or hot-water potations.
Silver nitrate and hyoscyamus.
Strontium lactate or bromide.

Gastrectasis.

Cod-liver oil.
Electricity.
Enemas, nutrient.
Gentian and calumba.
Iodide of iron, lactophosphate of
lime, phosphate of sodium.
Lavage. Massage. Strychnine.

Gastric Ulcer.

Arsenic and Opium. Bismuth.
Counter-irritation.
Ergot or cracked ice.
Milk diet or rectal feeding. Rest.
Silver nitrate, with hyoscyamus,
opium, or belladonna in pill.

Gonorrhoea.

Benzoic acid, with cannabis indica.
Cocaine (4 per cent. sol.) in urethra.
Copaiba. Cubeb. Argonin (2 per cent.).
Hydrastis, locally and internally.
Lead-water and laudanum.
Mercuric chloride (1 to 20,000 or 1 to
40,000), to flush urethra.
Opium and belladonna. Protargol (1%).
Potassium permanganate injections.
Silver nitrate, injections (gr. 2 to 4 to
ounce). Sandalwood oil.
Sodium bicarbonate. Potassium ci-
trate Fl. ext. pichi.
Zinc sulphate injections (gr. $\frac{1}{2}$ to oz.).

Gout.

Blisters, flying. Chloroform liniment.
Cod liver oil. Water.
Colchicum, wine of root.
Fowler's solution of arsenic.
Ichthyol ointment to painful joints.
Iodide of iron and cod-liver oil.
Iodide of potassium, with colchicum.
Iodine, ointment or tincture.
Lithium carbonate or citrate, inter-
nally, locally.
Morphine. Piperazine. Phenocoll.
Strontium salts. Tetra-ethyl-ammo-
nium.

Hematemesis.

Rest.
 Ergot, hamamelis, or ipecac.
 Ice, cracked
 Iron, tincture of chloride, or turpentine, internally.
 Lead acetate with morphine or opium.
 Silver nitrate, gr. $\frac{1}{2}$, in pill.
 Tannic acid, gr. 20 to drachm of water.

Hematuria.

Rest.
 Camphor, gr. 10 to 20, in pill.
 Ergot. Gallic acid, gr. 20.
 Hamamelis, injected. Quinine.
 Styptic injections, rarely.
 Turpentine.

Hemoptysis.

Absolute rest. Alum (gr. 20 to ounce) in spray. Calcium chloride.
 Cup or strap extremities.
 Ergot, fluid extract. Gallic acid.
 Ice over heart.
 Ipecac, in small doses.
 Morphine, hypodermically.
 Turpentine or erigeron oil.

Hay Fever.

Arsenic. Opium. Adrenal gland.
 Atropine, gr. $\frac{1}{2}$, repeated once in two hours. Mineral acids.
 Climate. Sodium salicylate.
 Cocaine, 2-4 per cent. solution, atomized in nose. Physical exercise.
 Cotton plug in nostrils.

Headache.

Treat cause.
 Antipyrin. Antifebrin.
 Bromides. Croton chloral.
 Caffeine, with bromide.
 Capsicum plaster, to neck.
 Refraction, if eye-strain.
 Ergot, if congestion.
 Gelsemium. Guarana.
 Heavy magnesium.
 Hydrobromic acid. Methylene-blue.
 Mustard foot-bath.
 Nux vomica, in sick headache.
 Phenacetin. Purge or emetic.
 Sodium bicarbonate.

Hemorrhage, Intestinal.

Enemas, styptic. Ice to abdomen.
 Ice, by mouth, and Monsel's salt, gr. 3, in pill. Ice-water injections.
 Lead acetate and camphor.
 Liquid food (peptone or beef-juice) absorbed from stomach. No milk.
 Sulphuric acid.
 Tannic acid and opium. Turpentine.

Incontinence of Urine.

Antiseptic fluids, to cleanse bladder.
 Arsenic, with nux vomica.

Incontinence of Urine (continued).

Belladonna with bromide.
 Catheterization, if due to retention.
 Circumcision. Elevation of hips.
 Ergot. Hyoscyamus. Strychnine.
 Nitre and potassium citrate.
 Rhus aromatica, in children.

Insomnia.

Bromide of potassium.
 Bath.
 Chloral, if not due to pain.
 Chloralamide. Chloralose.
 Croton-chloral.
 Food at night.
 Hot-water bags to feet, cold to head.
 Hyoscyne.
 Morphine, with chloral. Paraldehyde. Opium, to relieve pain.
 Remove indigestion.
 Somnal.
 Sulphonal. Trional.
 Valerian, in nervousness.

Intermittent Fever.

Arsenic.
 Calomel.
 Ice-pack, if fever excessive.
 Iodine. Methylene-blue.
 Podophyllin, preceding quinine.
 Quinine.

Iritis.

Atropine.
 Ice compress.
 Eserine.
 Iodide of potassium, with mercury.
 Leeches and heat, to relieve pain.
 Mercury, by inunction.

Keratitis, Interstitial.

Antiseptic lotions.
 Antisyphilitic treatment.
 Atropine.

Keratitis, Phlyctenular.

Atropine.
 Boracic acid, solution.
 Cold-water douche.
 Tonics and alteratives.
 Yellow oxide of mercury ointment.

Laryngitis, Acute.

Calomel, followed by saline purges.
 Ice, externally.
 Inhalation from steaming water of compound tincture of benzoin, with paregoric.
 Voice not to be used.

Laryngitis, Subacute.

Cold compress, externally.
 Inhalations of recent vapor of ammonium chloride.
 Zinc sulphate (gr. 4 to ounce), spray.

Leucorrhœa.

Alum or boric acid, douche.
 Belladonna, with tannic acid, applied on cotton. Hematoxylon.
 Hot sitz-bath, or vaginal injections.
 Hydrastis injections.
 Iron, with tonics.
 Potassium permanganate, as injection.
 Tampon, iodoform and tannic acid.
 White-oak bark, or tannic acid and glycerin.

Lumbago.

Acupuncture. Ammonium bromide.
 Atropine (gr. $\frac{1}{60}$), morphine (gr. $\frac{1}{4}$), into muscle.
 Chloroform liniment.
 Foot-bath and Dover's powder.
 Ice-bag or ether spray to loins.
 Ironing back with laundry-iron.
 Massage. Monobromated camphor.
 Mustard or capsicum plaster.
 Potassium iodide or salicylic acid.

Mania.

Anæsthetics or apomorphine.
 Bromides.
 Cannabis indica, with bromides.
 Chloral, if kidneys healthy.
 Cimicifuga, after confinement.
 Cold douche to head.
 Hyoscine hydrobromate. Morphine.
 Tonics, if after typhoid, etc.

Mastitis.

Belladonna, to breast.
 Breast-pump, if milk persists.
 Compression. Incision, if pus.
 Purges.

Meningitis, Acute.

Belladonna.
 Blister early.
 Bromides and chloral.
 Calomel, with opium.
 Ergot.
 Ice-bag to head.
 Leeches. Venesection.

Migraine.

Bromide of sodium, with caffeine.
 Cannabis indica. Croton chloral.
 Gelsemium, with cannabis indica.
 Hyoscyamus, with calomel.
 Salicylic acid.

Myalgia.

Ammonium chloride or bromide.
 Clove oil, added to liniment.
 Electricity. Heat.
 Iodide of potassium or salicylates.
 Massage.

Nasal Catarrh.—See "CORYZA."

Neuralgia.

Aconitine. Gelseminine.

Neuralgia (continued).

Acupuncture, nerve-stretching, or neurectomy. Acetanilide.
 Ammonium chloride. Antipyrin.
 Bromide of potassium, with caffeine.
 Camphor and chloral liniment, locally.
 Cimicifuga, in ovarian.
 Croton chloral, in brow.
 Freezing parts with ether.
 Hydrocyanic acid, in intestinal.
 Hyoscyamine.
 Iodide of potassium.
 Iron and arsenic.
 Morphine, injected locally.
 Mustard plaster.
 Nux vomica.
 Peppermint oil or menthol, locally.
 Phenacetin.
 Phosphorus.
 Quinine.
 Specific remedies.
 Turkish bath.

Night-Sweats.

Agaricin.
 Belladonna or atropine.
 Camphoric acid.
 Ergot. Gallic acid.
 Hot bath at bedtime. Hyoscin.
 Picrotoxin (gr. $\frac{1}{16}$) or strychnine.
 Pilocarpine.
 Sulphuric acid, with morphine.

Pericarditis.

Alcohol, digitalis, or caffeine.
 Aspiration, gradual.
 Blister, over præcordium.
 Calomel, with opium.
 Iodide of potassium.
 Jalap or elaterium, or saline purge.
 Leeches or ice-bag, over præcordium.

Peritonitis, Acute.

Belladonna and opium.
 Calomel or salines.
 Leeches or mustard plaster.
 Pancreatinized milk.
 Section.
 Turpentine stupe.

Pleurisy.

Aspiration.
 Blisters. Sinapisms. Leeches.
 Digitalis or pilocarpus.
 Elaterium or jalap.
 Ice-poultice or jacket.
 Iodine, locally.
 Iodide of potassium.
 Salicylates.
 Saline purges. Strap chest.

Pneumonia.

Alcohol.
 Ammonium salts. Turpentine.
 Blisters. Turpentine stupe.
 Cardiac and respiratory stimulants.
 Cups, wet or dry. Calcium chloride.

Pneumonia (continued).

Digitalis. Aconite. Veratrum viride.
Ice-poultice or lamb's wool jacket.
Intravenous injection of blood-serum
from a convalescent
Leeching, bleeding, cardiac sedatives.
Mustard plaster.
Nitrites. No antipyrin.
Oxygen inhalations.
Saline solution by hypodermoclysis.
Strychnine.

Post-Partum Hemorrhage.

Abdominal massage.
Ergot.
Ether, hypodermically
Hot intra-uterine douche.
Suture, if due to laceration.
Tamponing with iodoform gauze.
"Turn out that clot."

Pruritus.

Arsenic, quinine, bitter tonics, cod-liver oil.
Calomel and lard, locally.
Carbolic acid, well diluted, locally.
Cocaine.
Cold douche and injections.
Diabetic treatment.
Goulard's extract, dilute.
Hydrocyanic acid, locally.
Mercuric chloride, 1:250, as wash.
Silver nitrate, locally, preceded by cocaine.
Sodium bicarbonate or borax.

Psoriasis.

Anthraxolin. Aristol. Arsenic.
Baths of sulphides.
Chrysarobin, internally, or ointment.
Gallic acid ointment. Thyroid extract.
Resorcin. Ichthyol. Thiol.

Puerperal Fever.

Bichloride of mercury (1 to 5000) or creolin (2 per cent.) solutions.
Curette, to remove membranes.
Salines, if peritonitis develops.
Celiotomy, if peritonitis develops.
Nutriment and alcoholic stimulants.
Iodine and carbolic acid applied to ulcerated wounds.

Rheumatism, Acute.

Rest.
Alkalies and quinine.
Blisters over joints.
Chinicifuga.
Cold applications, if hyperpyrexia.
Iron, tincture of chloride.
Oil of gaultheria.
Potassium iodide. Phenocoll.
Rhus toxicodendron.
Salicin or salicylic acid and its salts.
Sodium bicarbonate, applied on lint.
Salol.

Rheumatism, Chronic.

Arsenic. Blisters, repeated.
Baths of sulphides. Turkish baths.
Cod-liver oil. Dry hot air.
Ichthyol.
Iodine, locally
Mistura ferro-salicylata.
Potassium iodide, colchicum, and sar-saparilla.
Veratrine ointment.

Rickets.

Cod-liver oil.
Cool sponging.
Iodide of iron. Oxygen inhalation.
Lime salts, phosphorus.
Quinine, cod-liver oil, nux vomica.

Scarlet Fever.

Alcohol.
Ammonium acetate.
Carbolic acid in benzoated lard, vaselin, cosmolin, or almond oil, locally.
Chloral.
Cold sponging.
Ice-bag or rubber head-coil.
Jalap, with potassium bitartrate.
Pilocarpine.
Peroxide of hydrogen, locally.
Strychnine, iron, simple bitters, quinine, or Basham's mixture.
Warm, wet pack.
Water, pure, in large amounts.

Sciatica.

Blister or cautery.
Cod-liver oil.
Chloroform, ether, or osmic acid, deeply injected.
Ether or rhigolene, sprayed.
Ice, locally.
Morphine, injected.
Nerve-stretching.
Potassium iodide. Rest, with splint.
Salicylic acid and iron.

Scrofulosis.

Arsenic or corrosive sublimate.
Calcium chloride (hydrated).
Cod-liver oil.
Excising gland, packing with iodiform gauze.
Ichthyol ointment.
Iodine ointment.
Iron, syrup of the iodide.
Lactophosphates or hypophosphites.
Phosphate of sodium or lime.
Sulphide of calcium.

Sore Throat.—See "TONSILLITIS."**Sprains.**

Cold and hot applications, alternately.
Fomentations. Rest. Plaster dressing.
Lead-water and laudanum.
Massage, followed by bandaging.

Stings and Bites.

Alkaline liquids, locally.
 Carbolic acid. Ether.
 Corrosive sublimate, with flexible col-
 lodion. Iodine, tincture, locally.
 Ligature, or cleansing of wound.
 Potassium permanganate.
 Vinegar, locally.

Tonsillitis.

Calomel and quinine. Guaiacol.
 Gualac, internally and as gargle.
 Hydrogen peroxide, in spray.
 Incise abscess. Cinchonidin.
 Iron, tincture of the chloride. [gle.
 Salol and salicylates. Potass.chlor., gar-
 Sodium bicarbonate, locally.

Tuberculosis.

Arsenic. Atropine, hypodermically
 in night-sweats.
 Chlorine, by inhalation.
 Chloroform, terebene, and ethyl iodide
 by inhaler.
 Codeine. Cod-liver oil.
 Compressed and rarefied air.
 Creosote. Guaiacol. Eucalyptol.
 Gavage (overfeeding).
 Glycerin and water, with lemon-
 juice.

Iodine, internally, hypodermatically,
 and over pleuritic spots.
 Iodoform, in pill and locally.
 Lactic acid, locally.
 Lactophosphates and hypophosphites.
 Morphine and wild cherry bark.
 Menthol, locally.
 Nitrogenous diet.
 Oxygen inhalations.
 Peroxide of hydrogen.
 Strychnine. Respiratory gymnastics.
 Surgical measures.
 Tuberculin and Tuberculoicin in se-
 lected cases.

Typhoid Fever.

Alcohol. *No antipyretic.*
 Calomel. Water, freely.
 Cold baths, systematically.
 Enemas. Guaiacol.
 Hydrochloric acid.
 Morphine. Quinine.
 Rest and diet.
 Salol. Betanaphthol.
 Turpentine in stupes, enemata, or by
 mouth.

Ulcers (locally).

Acetanilide. Aristol.
 Bismuth benzoate. Burnt alum.
 Carbolic acid. Carbonic-acid gas.
 Caustic potash. Copper sulphate.
 Creolin.
 Gallic acid ointment. Hamamelis.
 Hydrogen peroxide.
 Nitric acid, for phagedenic.
 Orthoform. Potassium permanganate.

Ulcers (locally) (continued).

Precipitated carbonate of calcium, as
 dry dressing.
 Silver nitrate. Iodoform.

Varicose Veins.

Bandage,
 Barium chloride, internally and lo-
 cally.
 Hamamelis. Operation.

Vomiting.

Bromides, with laudanum.
 Calomel (gr. $\frac{1}{2}$), ext. hyoseyami (gr. ss).
 Carbolic acid, with bismuth.
 Cerium oxalate. Chloroform. Creosote.
 Cloves, oil of. Cocaine (gr. $\frac{1}{8}$ to gr. $\frac{1}{4}$)
 Enemas, partially digested.
 Fowler's solution.
 Hydrocyanic acid, dilute.
 Hydrochloric acid, dilute.
 Ice-bag. Ipecac. Lavage.
 Lime-water, added to milk.
 Mustard plaster over stomach.
 Nux vomica.
 Oxygen-water.
 Peptonized milk and beef.
 Podophyllin. Position.
 Seidlitz powder.

Vomiting of Pregnancy.

Arsenic.
 Bromide of potassium.
 Cerium oxalate.
 Cocaine.
 Iodine, tincture of.
 Ipecac. wine.
 Menthol.

Whooping Cough.

Amyl nitrite.
 Antipyrin.
 Belladonna, tincture of.
 Bromoform.
 Chloral. Chloroform.
 Hyoseyamus.
 Hydrogen peroxide.
 Monobromated camphor.
 Ouabaine.
 Quinine.
 Resorcin, 2 per cent. solution.

Worms.

Aspidium.
 Calomel.
 Carbolic acid lotion, to destroy eggs
 Castor oil
 Chenopodium, oil of.
 Kamala, drachms 1 to 2, in syrup.
 Lime-water injections.
 Pelletierine.
 Pepo.
 Quassia injections.
 Salicylic acid.
 Santonin.
 Spigelia.
 Turpentine and castor oil.

LIGATION OF ARTERIES.

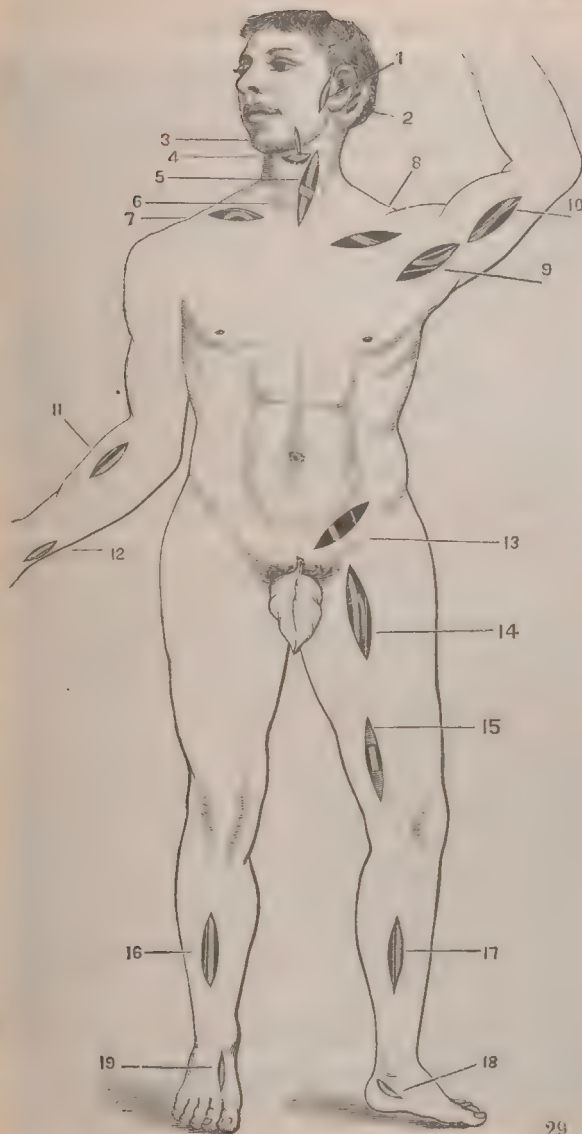
The accompanying plate indicates the positions in which the operation of ligating arteries in their continuity is most commonly performed. There is no point at which ligatures are applied which is not represented, with the exception of a few which are very rarely chosen. With the explanations which follow, this diagram will serve as a guide to the practitioner who may be called upon in an emergency to perform an operation in regard to which he has grown somewhat rusty from want of practice.

1. Ligation of the Temporal Artery. The temporal artery is the continuation of the external carotid from the level of the lobe of the ear to the level of the eyebrow, where it divides into its terminal branches. The point at which it is ligated is a little in front of the anterior curve of the concha. A vertical incision, about an inch in length, is made in front of the concha. The artery is easy to find, as it is very superficial at this part of its course. Its accompanying vein lies to the outer side, and the temporal branch of the auriculo-temporal nerve lies in front of it.

2. Ligation of the Occipital Artery. The occipital artery comes off from the posterior part of the external carotid at about the level of the angle of the lower jaw. It curves backward under and to the inner side of the mastoid process, at the back of which it comes out through the attachment of the trapezius muscle, and winds in a tortuous course upward over the occipital bone. The point at which it is ligated is about an inch behind the ear. An incision, an inch and a half long, parallel to the posterior edge of the mastoid process, will expose it. Its accompanying vein lies to the outer side of it. (There are but few occasions when it is necessary to ligate this artery, as its position makes it very easy to stop the flow of blood through it by pressure with a suitable compress and bandage.)

3. Ligation of the Facial Artery.—The facial artery comes off from the external carotid just below the level of the angle of the lower jaw, and passes forward below this bone to a point just in front of the insertion of the masseter muscle. Here it sends a branch forward, the submental, while the main trunk curves up over the lower jaw and passes in a tortuous course toward the angle of the mouth. The point at which it is ligated is that at which it ascends in front of the masseter muscle. An incision an inch in length will expose it. Its accompanying vein lies to the outer side.

4. Ligation of the Lingual Artery. The lingual artery comes off from the external carotid at the level of the great cornu of the hyoid bone; it passes forward under the posterior belly of the digastric muscle, and the stylo-glossus and hyo-glossus muscles, to the root of the tongue, and thence to its further distribution. It is in some respects the most difficult artery to ligate in the whole body. The point at which it is ligated is the second part of its course, under the hyo-glossus muscle. An incision is made about half an inch above, and parallel to, the great horn of the hyoid bone, and extending from just in front of the anterior edge of the sternocleidomastoid muscle to near the middle line of the neck, half an inch below the base of the jaw. The skin and subcutaneous fat having been divided, the capsule of the submaxillary gland will be met. This capsule must be divided, and the gland carefully drawn up over the jaw. In doing this great care must be taken not to injure the facial artery and vein, which pass through the gland. The posterior part of the capsule of the gland must next be divided. This will expose the shining aponeurosis which constitutes the pulley of the digastric muscle and attaches it to the great horn of the hyoid bone, near the insertion of the stylo-hyoid muscle. Behind these passes the hypoglossal nerve. This must be delicately detached from the sheath of the hyo-glossus muscle, which lies below it, and pushed up out of the way. As the next step, fix the pulley of the digastric with a tenaculum and gently insinuate a director behind the posterior edge of the hyo-glossus muscle, and push it forward between this and the middle constrictor of the pharynx, which lies under



neath it, in a line parallel to, and just above, the greater horn of the hyoid bone. The hyo-glossus muscle is then to be divided on the director, and the lingual artery is exposed. In placing the ligature the needle should be passed from above downward, so as not to injure the hypo-glossal nerve. The important guides in this ligation are the hyoid bone, the pulley of the digastric muscle, and the hypoglossal nerve.

5 and 6. Ligation of the Common Carotid Artery.—For ligation, the common carotid artery is divided into two portions by the narrow omo-hyoid muscle, which crosses it near its middle. (Shown in the cut.) The upper portion is comparatively superficial, and occupies what on this account is called the triangle of election. The lower portion lies deeper, and occupies what for this reason is called the triangle of necessity. (The cut represents the incisions for both these ligations united.)

5. Ligation of the Common Carotid Artery in the Triangle of Election.—The patient should be recumbent, with the head extended and turned toward the opposite side. An incision should be made along the anterior edge of the sterno-cleido-mastoid muscle, from about an inch below the angle of the lower jaw to a little below the cricoid cartilage. The superficial fascia, the platysma-myoides muscle, and the deep fascia are then to be divided on a director. The sterno-mastoid muscle must then be held back, and the deep layer of the deep fascia picked up and carefully divided on a director. This will expose the sheath of the blood-vessels, and perhaps the *descendens noni* nerve. Avoiding the latter, the sheath of the vessels is to be picked up with forceps and nicked with a scalpel. A director is then to be introduced, and the sheath slit up upon it. The artery is now to be separated from the internal jugular vein, which lies to the outer side, and from the pneumogastric nerve, which lies back of and between the artery and vein. The ligature should be passed from without inward.

6. Ligation of the Common Carotid Artery in the Triangle of Necessity.—The position of the patient should be the same as for the operation just described. The incision should be made along the inner edge of the sterno-mastoid muscle, and from the middle of the neck to the top of the sternum. The skin, superficial fascia, and platysma-myoides muscle are to be divided. Then the deep fascia is to be divided on a director, avoiding injury to the anterior jugular vein. When the edges of the wound are drawn asunder, another layer of the deep fascia will be exposed, which must be lifted with forceps, nicked, and then carefully divided on a director. Under this lies the sheath of the blood-vessels, and upon it the *descendens noni* nerve. The subsequent steps of the operation are the same as those described for ligation in the triangle of election.

7. Ligation of the Subclavian Artery.—The point of election for ligation of this artery is the outer side of the scalenus anticus muscle. An incision is made parallel to and just above the clavicle, from the outer half of the clavicular insertion of the sterno-cleido-mastoid muscle to the anterior edge of the trapezius muscle, taking care not to go deep enough to cut the external jugular vein. The skin, superficial fascia, and the platysma-myoides muscle are to be divided. Then the external jugular vein is to be drawn aside. If this be impossible, it must be divided between two ligatures. The loose connective tissue must now be carefully broken up with a director and a search made for the artery. It must be remembered that it lies to the outer side of the scalenus anticus muscle and to the inner side of the cords of the brachial plexus. When found, it is to be very cautiously separated from its attachments to the pleura, and the ligature passed from below upward. The greatest care is necessary to avoid injuring the vein or the pleura, or including a nerve in the ligature.

8 and 9. Ligation of the Axillary Artery.—This artery is ligated in its first portion just after passing over the first rib, and in its third portion in the axilla.

8. Ligation of the First Portion of the Axillary Artery.—The arm is drawn away from the side, and an incision about three inches in length is made in the line which marks the division between the upper and lower parts of the pectoralis major muscle. The superficial and deep

fascia must be divided on a director. The muscular interspace is then to be sought for, and the two parts of the muscle separated, working up toward the clavicle, and not directly backward. As this is done, the arm should be brought back to the side, so as to relax the parts. The costo-coracoid membrane is next to be found and opened on a director. The artery lies beneath it. It is to be carefully isolated from the axillary vein, which lies on its inner, or lower, side, and the axillary nerves, which lie to its outer side. The ligature should be passed from within outward, or from below upward.

9. *Ligation of the Axillary Artery in the Axilla.*—This is the most accessible part of the artery. It is reached by drawing the arm away from the body, and making an incision about three inches long over the course of the vessel, at the junction of the anterior and middle thirds of the axilla. The deep fascia must be divided on a director, and the artery will be found beneath it, with the axillary vein on the ulnar side (toward the back of the arm), and the median nerve on the radial side (toward the front of the arm). The ligature should be passed from the ulnar toward the radial side, so as not to injure the vein.

10. *Ligation of the Brachial Artery*, in the middle of the arm.—An incision about two inches in length is to be made along the inner edge of the swell of the biceps muscle, at the middle of the arm. After dividing the skin and superficial fascia, and any fat that may be met with, the fibrous membrane which encloses the biceps muscle will be encountered. This is to be divided on a director, and the loose connective tissue along the edge of the muscle broken up, when the artery will be exposed. Care must be taken not to divide the median nerve, which crosses the brachial artery near its middle, passing from the radial toward the ulnar side, and not to include it in the ligature. The *venae comites* lie one on each side of the artery.

11. *Ligation of the Radial Artery*, in the upper third.—An incision is to be made in a line drawn from the middle of the bend of the elbow to the point at which the pulse can be felt at the wrist. The median vein is to be avoided in incising the superficial fascia. When the deep fascia has been exposed, a yellow line, marking the division between the *supinator longus*, on the radial side, and the *pronator radii teres*, on the ulnar side, is to be looked for. The fascia is to be opened along this line, and the artery will be found below it. The radial nerve lies to the radial side of the artery, but so far away as to be in little danger of being injured.

12. *Ligation of the Ulnar Artery*, in the lower third.—An incision is to be made in the depression between the *flexor sublimis digitorum* and the *flexor carpi ulnaris*, just above the carpus. The skin and superficial fascia are to be divided, and then the deep fascia is to be picked up with the forceps and divided on a director. The artery will be found lying on the *pronator quadratus*, alongside the tendon of the *flexor carpi ulnaris*, with the ulnar nerve on its ulnar side. The ligature should be passed from the ulnar toward the radial side, avoiding the nerve.

13. *Ligation of the External Iliac Artery.* An incision is to be made nearly parallel to Poupart's ligament, and about an inch above it, extending from about an inch above the anterior superior spinous process of the ilium to a point near the external abdominal ring. This incision should curve slightly upward at both ends. The skin and superficial fascia are to be divided, and ligatures to be applied to any vessels which bleed. The tendon of the external oblique muscle is to be divided, and then the internal oblique and the *transversalis* muscles. The separation of the *transversalis* fascia is a work of the utmost delicacy, to be effected with the forceps and the finger, the latter restraining and protecting the peritoneum. A finger passed down into the pelvis through the opening will discover the artery. The accompanying iliac vein lies to the inner side of the artery, and the anterior crural nerve at some distance to its outer side. The ligature should be passed from within outward.

14. *Ligation of the Femoral Artery in Scarpa's Triangle.*—The point of election for ligation of the femoral artery is at the apex of Scarpa's triangle. To accomplish it, the leg should be flexed at the knee, and the thigh slightly flexed upon the abdomen, abducted and rotated

outward, so as to lie on its outer side. An incision should then be made, over the course of the artery, in a line bisecting Scarpa's triangle from the middle of its base to its apex. This incision should be about three inches long, and its middle should be over the apex of the triangle. The skin, superficial fascia, and fat having been divided, the inner edge of the sartorius muscle must be found and drawn outward. The artery will now be found, with the vein to the inner side and a little behind it, and several nerves on the outer side. The artery should be carefully isolated after opening its sheath, and the ligature passed from within outward.

15. Ligation of the Femoral Artery in Hunter's Canal.—This rare ligation is performed by placing the limb in the position for the preceding operation, and making an incision from the apex of Scarpa's triangle toward the back part of the internal condyle of the femur, avoiding the saphena vein. After passing through the skin, superficial fascia, and fat, the deep fascia will be seen, binding down the sartorius muscle. This membrane is to be opened on a director and the muscle drawn backward. This will disclose the aponeurotic sheath which covers the femoral artery at this point. This sheath must be opened, and the artery will be exposed. In ligating it, care must be taken not to injure the long saphenous nerve, which accompanies it, or the femoral vein, which here lies behind it and toward its outer side. The ligature should be passed very carefully from without inward.

16. Ligation of the Anterior Tibial Artery, in the middle third.—An incision is to be made, about three inches long, in a line passing from a point midway between the tubercle of the tibia and the head of the fibula, to a point midway between the two malleoli. When the deep fascia has been reached, a yellow line may be found, indicating the septum between the tibialis anticus muscle and the extensor longus digitorum. Along this line the aponeurosis is to be divided on a director, and the two muscles carefully separated until the extensor proprius pollicis is met with, when this is to be separated from the tibialis anticus until the artery is reached. It is accompanied by two venae comites, which it is not important to regard if they are difficult to separate from the artery. The anterior tibial nerve lies either in front or at the outer side of the artery. To avoid injuring it, it should be pressed to the outer side of the wound and the ligature should be passed from without inward.

17. Ligation of the Posterior Tibial Artery, in the middle third.—An incision three inches long is to be made parallel to the inner border of the tibia and about half an inch back of it, and carried down to the superficial fascia. This is to be carefully opened, avoiding injury to the internal saphenous vein and nerve, which lie in the track of the wound. They must be found and drawn aside. Then the deep fascia is to be divided on a director, and the inner border of the soleus muscle is to be pressed away from the tibia, when the vessel will be exposed. It is accompanied by two venae comites and the posterior tibial nerve, which lies to the fibular side of it. The veins and nerve being separated from the artery, the ligature should be passed from the fibular toward the tibial side.

18. Ligation of the Posterior Tibial Artery behind the Internal Malleolus.—A slightly curving incision an inch and a half long is to be made behind the internal malleolus, and about half way between it and the tendo Achillis. The skin and superficial fascia having been divided, the deep fascia is to be lifted and divided on a director. The artery will then be exposed, accompanied by its venae comites, and the posterior tibial nerve, which lies to the back of it and toward the fibular side. The ligature should be passed from behind forward.

19. Ligation of the Dorsalis Pedis Artery.—An incision an inch long is to be made on the back of the foot between the inner tendon of the extensor brevis digitorum and the outer side of the tendon of the extensor longus pollicis. (These tendons can be mapped out by manipulating the great toe.) After dividing the skin, the superficial fascia, and the deep fascia, the artery will be exposed. The continuation of the anterior tibial nerve lies to the fibular side of the artery. The ligature should be passed from the fibular toward the tibial side.

THE
MEDICAL NEWS
VISITING LIST.

RECORDS OF PRACTICE.
FOR THIRTY PATIENTS PER WEEK.
1901.

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Mr R. E. Eizenman	c					c	
Mrs Engel	c		c				
W T Doane 819 Fulton	c						
Mrs O L Hearnings Guilford			c				
Mrs W S Boyer 107 L 25th St			c				
Mrs Beachchamph (DH)				c			
Mrs : 574				c			
Mrs Hory. Beffortz. Pa				c			
Mr Goldman 1317 8th St				c			
Mr. Morgan Pillsbury				c	c		
Mr. Raper. W				c			
Mrs W S DeGard. W					c		
Mrs Luleox. Norfolk Va					c		
Maude Adams					c		
Mrs John R. Benson					c		
Carlson Glass						c	

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C. W. Brown. Card. 42thm

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C. W. Brown. Card. 42thm

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Paid in advance for 7 mos. paid at
time. dinner and rent.

Travelling expenses and other

To make 11.00 off balance for 2.00

then 10.00

Ross & Co

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113 Commerce St.

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MEMORANDA.

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January, 1901.

Daily

Record.

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	20	21	22	23	24	25	26
Mr. Samuel 331. Niles		c					
Mr. Herbert		c					
J. Edeldorf 2224 Eul. Pl			c				
Francis M. C.			c				
Henry Kaplan 306 S. 8th			c				
Blanchard Randall			c				
Mr. 1219 Madison			c				
Mr. Shabel 721				c			
Mr. Turpe. St Louis				c		c	
Louis Gutman					c		
Chas. Trutzler					c		
Mr. Alexanders ^{mother} 2108 1/2 Cha.					c		
J. Friedman 1112 E. Pratt						c	
Mr. T. W. Allen 444 1/2 1st St							c
Carl W. P. 112 S. 1st St							c
Mr. Selig							c
Shapovalov 1121 1/2							c

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NAME.	S.	M.	Tu.	W.	Th.	F.	S.
	21	22	23	24	25	26	27
Mrs. Lemaire, 102, Madison	c						
1. Jessie Bulemont	c						
Mrs. Kevin 1809 1/2 Pine	c						
Mrs. Swale	c						
Miss Tyson.	c						
Miss's Harvard High	c						
Idolizing c 1 hour	c						
W. L. Cooper 10 W 25th	c						
Mrs. 7 B. Cahn 205 Madison	c						
Mrs. Baueschmidt	c						
Miss Guntel 100 Macra	c						
R. Hagerty - Kennedy	c						
10 C. Wrightman Wash. St.	c						
Miss, Pope	c						
10 S. Shuman Washington	c						
10 W. W. W. 1731 E. St.	c						
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c on i Haverling. \$11.00

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Jan. 25
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Su.	M.	Tu.	W.	Th.	F.	Sa.
3	4	5	6	7	8	9

Anna J. Endres			c	c		
Ann Hegland				c		
Ann. Gustafson 319 N. 1st					c	
Ann & Josephine Pedersen					c	
Ann H. S. Rippner 1429 N. 1st					c	
Ann H. S. Rippner 220 N. 1st					c	
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Ann H. S. Rippner 300 N. 1st					c	

Charge.	Brought Forward.	Total.
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MEMORANDA.

25th

10

25th

20

25th

Phula

North's c m runley

25th

Dr.

NAME

Mon.	Tue.	Wed.	Thurs.	Fri.	Sat.	Sun.
10	11	12	13	14	15	16

Mrs. Allison c
 Mr. Howell c
 Mrs. Brown c
 Mrs. Gullone c
 W. H. Henry Henry w. r. c
 Mr. Glover c
 Dr. Frazier Danville & H. c
 Mr. Pearce (Hepburn) c
 Mr. Butler c
 Karl Rozz 2102 Calloway c
 Mrs. Colwell 1730 1/2 St. Wash. c
 Mrs. Burnett c
 Mrs. Hughes 128 Peach St. c
 Mr. J. S. Tapel c
 Mr. Dickinson Canton Pl. c
 General aty. Detroit c
 + 9. 10. 11. 12. 13. 14. 15. 16. c
 Mrs. Buckley Day 114 c c

Record.

March, 1901.

Charge

By

Total

MEMORANDA

0

10

C. R. Linder

25

1000.

25 m

25 m

10 m

C. R. Linder

10

10

C. R. Linder at 1000. Linder.

1000.

1000?

1000

1000

NAME.	Sat.	M.	Tu.	W.	Th.	F.	Sa.
Mr. Park Barnard	c						
Dr. J. H. Hunt		c					
Rev. Tuller 109 Belmont	c						
Rev. A. R. Ketchum	c						
Mr. W. C. Linn	c	c	c				
J. C. Walker Salem Mass.		c					
Miss E. Myers Pykesville		c					
J. Schenckel		c					
Mr. C. C. Smith West Durham N.C.	c						
Miss P. M. Smith			c				
Miss O. D. Smith Wash. D.C.			c				
Joseph C. Turner Phila Pa.		c					
Dr. S. F. Tyng Phila. The Univ.		c					
Ms. Dadd St. Louis Mo.		c					
Basil Gordon		c					
Miss Solless 1109 Belmont		c					
807 7th. Wash.			c				
Miss C. Walsh Phila.		c					
70 Nassau Suffolk Ave.		c					
Mr. E. B. White Springfield		c					
Noggs. 2102 Calloway		c					
107 1/2 King 1712 Melrose		c					
B. H. Baker		c					
J. T. Wright Thomasville Ga.							

Charges

Interest
on loans

Total

MEMORANDA.

100

California

\$ 20th - 4th - 1897

20

100

on Husman.

\$ 25th - 1897.

10

20

25

37

10

20

1897 Boston St. 810

50

25th - 1897.

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	31	1	2	3	4	5	6
Ed Smith, American Mass.	c						
John Robinson, N.Y.	c						
J. M. Jones	c	c					
John Smith	c						
Rev. Henry, O. H. Med.	c						
John Williams	c						
John Davis, Pitt			c				
W. J. Green, 550 W. Bal.		c					
John Clark, Kansas		c					
Miss J. E. Pierce, Phila.	c			ap			
Miss Purley, Ottawa	c						
John, Phila. Wash.	c						
Mr. Chamberlain, Charles			c				
W. J. Green, S. R. P. Wash.			c				
Capt. Foster, USA			c				
John Davis, N.Y. 10/1				c			
J. B. Barland, Montreal				c			
Miss Pearson, N.Y. (1891)				c			
Rev. J. T. Brooks					c		
J. S. Moore, N.Y.					c		
J. F. Nichols, Easta					c		
J. J. Brillon, Amistada					c		
John, Phila. Wash.					c		
John, Harrison						c	
W. C. Barnes, N.Y. 10/1						c	

Charge. Brought
Forward.

Total.

MEMORANDA.

25-

1/2

age

Sept 1895.

10

10

for work

10

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20

10

20

25-

25-

50

Univ. Club. 21/2.

NAME.

S.	M.	Tu.	W.	Th.	F.	S.
7	8	9	10	11	12	13

Mrs. Wilmer

Mrs. Wheland

Mr. Treby Norfolk

S. B. Doeb 1819

Mrs. Louis Sullivan

Howard Phelps

Mrs. Perkins 2114 St. Louis

Mrs. Bartle 1912

Mrs. Sawyer

Mrs. Pifer

Dr. Corlett Cleveland

Dr. Howard Washington

Mrs. Brose

Mrs. McPherson Raleigh

Dr. Church

Mrs. Almy

Dr. Lee

Hugh Pope

MEMORANDA.

25-

810th.

neur. b. alb. Hart Kuhn. O.O.D.
ca Bolger. Pencardale

LS- 1A 24

25

24

April, 1901.

Daily

[illegible]

Ch. No.

Dis. No.
Folio No.

T.

MEMORANDA.

500

100

2nd 6 2nd 2nd

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C. W. H. H.

Carnegie Bldg. Pittsburgh. 8000

Daily

	Sat.	M	Tu	W.	Th.	F.	S.
	21	22	23	24	25	26	27
Carrington, Charlotte	c						
Dixson, Wm	c						
J. Daley, Pittsburg	c						
Shuf. Warner	c						
Hugh Johnston		c					
Mrs Chamberlain		c	c				
Mrs Herrickfeld		c					
Mrs. - c of Gotfrey ox		c					
Kaufmann 2519 Madison		c					
Mrs Constantin Springfield Ohio		c					
Mrs Garland Clinton				c			
Mrs Schellerville			c				
Ophelia Schullene				c			
Mrs Josephine Sherwin				c			
Hep M. Mag. Wash.				c			
Mr. Chas.				c			
Mrs Gay South. Pa.				c			
Mrs Lewis 1st St. N.Y.				c			
Mrs Wm Nye. 1207 8th St				c			
Mrs C. L. Rogers Lynchburg				c	c		
Mrs Gulman, Ga.				c			
Mrs Grant Summit N.Y.				c			

Change,	Weight	
	Forward	Total.

MEMORANDA.

20

25-1-1994

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of *Brombacia*. 2

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23-

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Heard in a

La

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NAME.	Sat.	M.	Tu.	W.	Th.	F.	Sa.
	28	29	30	1	2	3	4
Miss Marchmont	c						
Miss Lyall Federating v.	c						
Mr. Loma	c						
Miss Gunther Orleans st	c						
Miss Wilson							
Miss Charlesberger							
Mr. Merrill Wash. St.							
May							
Mr. Garfield							
Mr. Little Sampson							
Mr. J. H. B. B. B.							
Mrs. J. Tammerton							
L. S. Corcoran Boyer							
Miss Erlson 1015 St Paul							
Mr. C. Tammerton							
J. S. Lynch 100 W. Bay St							
Mr. G. B. B. B. B.							
Mr. H. J. B. B. B.							
Mr. Jeph. (Island)							
Miss Caldwell							

Charge.	Brought Forward.	Total.	MEMORANDA.
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Judge

To
Subsidiary

Date

MEMORANDA

Washington D.C.

memorandum of understanding between the

2nd class, 2nd class

1st H. Marshall Hk - \$500

20

10 to change in class
w/ Va. \$10 to change

20

10

10

\$01.50 to change

20

10

10 to change

c or Pde. 8 all - 2 lines \$1.00 to change

NAME.	Sa.	M.	Tu.	W.	Th.	F.	S.
	12	13	14	15	16	17	18
Mr. Sarr	C						
Mr. Sarr	C	C					C
Mr. Sarr			C				
Mr. Sarr				C			
Mr. Sarr					C		
Mr. Sarr						C	
Mr. Sarr							C
Mr. Sarr							C

Charge.

Payable
to

Total

MEMORANDA.

Received

for

1807

Total

[illegible]

Date Amount Total

MEMORANDA.

10 p.m.

10 - 1.000.000

also

20 p.m.

10 - 1.000.000

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Harells asle

100

NAME.	Su.	M.	Tu.	W.	Th	F	Sa.
26	27	28	29	30	31	1	
Mrs. M. Kennerly - Paula	c						
Catharine Horn Hill St	c						
Mrs. J. L. Lane - Dr	c						
Ship - Wilson	c	c	c	c	c	c	c
J. H. Brandt & Co. - Dr	c	c	c	c	c	c	c
G. C. Lake 2231 Madison	c						
Mrs. J. M. Pheasant - Raleigh St	c						
Mrs. A. G. Sullivan	c						
Mrs. J. W. Dore - Dr	c						
J. H. S. Gill - 125 E. 1st St	c						
Barton Danville Rd	c	c					
Ken - Walker - Dr	c						
H. Brastin 1505 N. Bd St	c						
Mr. Wrenthal - Dr	c						
Dr. H. Deffen - Dr	c						
Mrs. J. G. Hemminger	c						
J. C. Carpenter - Little Rock	c	c					
Mrs. Pen - Dr	c						
G. W. Jackson	c						
Mrs. Gilpin - (Dr) - Dr	c						
Dr. Lutz's daughter	c						
Mrs. O. Wagon	c						

Charge.	Brought Forward.	Total	MEMORANDA.
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25.

25~

• v e l o c i t y

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hess vi, winter.

Phil

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June, 1901.

Daily

[illegible]

Charge.

No. 101
Forward

Total.

MEMORANDA.

C. Dr. Liliun batch. Pus Kiley

Dr. Huntner account
T. T. T. T.

The Slaffers

Wm D. Miller

2504 75th St. Wash. D. C.

Dr. D. D. D.

875-100

C. D. D. D.

McCullish St.

22nd St. Washington. 810th

L. J. J.

Birmingham Ala

C. Dr. Horsch. Soft. Left L. Lot. J. J.

E. J. J. J. J.

C. Dr. Horsch

E. J. J. J. J.

My column 1327 made
C. Dr. Horsch.

Bosch

Charge.	Brought Forward.	Total.
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MEMORANDA.

25

5700. 1000
500 James St. & 1000 to bus

Cor Frederick road

25

Men to Park Col.

25

25

44 18 Bartley Ave -

16

C. S. Hummell Tor. Fee for arranged later

25

10

25

May 10 \$100 to charge

Sy. like at the New York. Currier
moulding spec ch

20

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20

re

25

25

NAME

Sa.	M.	Tu.	W.	Th.	F.	Sa.
16	17	18	19	20	21	22

Mr Graham Wash.

c

At New-Loper

c

Charge.

Brought
Forward.

Total.

MEMORANDA.

10

500 to charge.

NAME

Su. M. Tu. W. Th. F. Sa.
23 24 25 26 27 28 29

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
30	1	2	3	4	5	6

Charge	Brought Forward	Total.
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MEMORANDA.

NAME.

Sa.	M.	Tu.	W.	Th.	F.	Sa.
7	8	9	10	11	12	13

charge.

Brought
Forward.

Total.

MEMORANDA.

NAME. 1902

Sa.	M.	Tu.	W.	Th.	F.	Sa.
14	15	16	17	18	19	20

Mr. Kennedy
Mr. Smith

c

c

Charge.	Brought Forward.	Total.
<i>Post-charge</i> <i>amount</i>		
<i>paid from balance</i> <i>for 100, 10</i> <i>for 100, 10</i> <i>for 100, 10</i>		

MEMORANDA.

NAME.

Sa.	M.	Tu.	W.	Th.	F.	Sa.
21	22	23	24	25	26	27

Mr. Butler

c

Charge.	Brought Forward.	Total.
---------	---------------------	--------

MEMORANDA.

NAME.

Su.	M.	Tu.	W.	Th	F.	Sa
28	29	30	31	1	2	3

July 28 - 1901
August 1 - 1901

Ch. ...
...
...

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

1901

Sa.	M.	Tu.	W.	Th.	F.	Sa.
4	5	6	7	8	9	10

Capt. Kuzich
Mr. Givler

c c c

Chaque 9 1/2 Can. 500

Charge.	Brought Forward.	Total.
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MEMORANDA.

50	Ch. pul. lnt. - 10, 1 - per. 8 in. fly.	
	no adht. T. 100 +. To 8 + 5. cat	

NAME.

Sa.	M.	Tu	W.	Th.	F.	S.
11	12	13	14	15	16	17

A C Archibald Kennedy
at New York.

85

Record.

August, 1901.

90

Charge.	Brought Forward.	Total.
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MEMORANDA.

851 + 1000 = 1851

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
18	19	20	21	22	23	24

W. L. Latham
Mr. Fowler

2

1

1

Charge. Brought
Forward.

Total.

MEMORANDA.

25 - 4

7.00 in all to charge

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
25	26	27	28	29	30	31

7 to Scott Buchanan

Mrs Frank Stephens 906 S. Kenton St

Charge

Brought
Forward

Total

MEMORANDA.

725 4.6

29-1 change

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
1	2	3	4	5	6	7

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
8	9	10	11	12	13	14

Charge.	Brought Forward.	Total
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MEMORANDA.

NAME.

Su.	M.	Tu.	W.	Th	F.	Sa
15	16	17	18	19	20	21

Charge. || Brought
Forward.

Total. ||

MEMORANDA.

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
22	23	24	25	26	27	28

Albert C. Albert and

Mrs P.H. Adams Erie Pa

J.C. Corvan 525 W 62 St Ill

Wm. Mulenbelt 298 9th Ken Pl.

J.L. Andersen 600 E 3rd St

Mrs L. Frank 1425 East Plac

Mrs. Schlegel 1425 East Plac

Mrs. Adler 1313 East Plac

Mrs. Jackson 1425 East Plac

Mrs. McElroy 1425 East Plac

Mrs. R.C. Collins St Louis

Mrs. Breckenridge 2032 East Pl

Mrs. Brown 1425 East Plac

Mrs. Ed. Hulse 1425 East Plac

Columbus O'Donnell

Mrs. Ely 2115 W 74th St

Charge.	Brought Forward.	Total.	MEMORANDA.
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20			Heidenrich
----	--	--	------------

20			Chicago
----	--	--	---------

100-			Cincinnati
------	--	--	------------

			or Medunwald
--	--	--	--------------

			Old St. Joseph's ^{parish}
			in Cincinnati. (Galt - Harris)

20	pd		First charge.
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10			2 on Dunsell
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25-			
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10			
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10 was 15th day H. low lobe Pneum. & L. R. Wilson

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	29	30	1	2	3	4	5
Judge Matz Delina Ala	c						
Mrs Frank 14 25 End Pl. (101)	c						
Mrs Roemer 25 10 1000	c						
Mrs C Nordling 14 10 10 Ball	c						
Mrs Schermont							
Mrs Custer Martinburg	c						
Mrs Adler	c						
Col Bude Dth	c	c					
Julia Reynolds Sumpter	c						
Mrs Halvey 10 4 10 10	c						
Capt Spruill 9 14 10 10	c						
Mrs Landwehr Cumber Dth	c						
H Reinach 9 16 10 10	c						
Mrs Burgunder 15 14 Mad	c						
Wm Osborne Gardenville	c						
W C Glover Eliza Bell	c						
G F Sprague Salt Lake City	c						
G F Shaw. W. S. A. Frank	c						
Detrick. 10 4 10 10	c						
Sa McClure Aubrey & La	c						
Mrs Hanford Seattle Wash.	c						
Miss Waddington	c						
Gen Wheaton 2 4 33 Calumet, Ia	c						
Miss Parham S. C. C. D. Buer	c						
Nathan Guleman 15 20 End Pl	c						
Mrs King York Pa	c						
Mrs 20 Penn 21 04 St Paul	c						
H C Miller 18 17 End Plug	c						
Mrs. en. C. M. S. S. S. S.	c						
G Nesbitt Ashton Ind	c						

NAME	Su.	M.	Tu.	W.	Th.	F.	Sa.
	6	7	8	9	10	11	12
Mr Murray Relay	c						
Mr. & J. Williams	c						
St. Dennis Beckm	c						
Mr. & Mrs. J. S. Brown	c	OH.					
Mr. & Mrs. J. S. Brown	c						
Gen. Shattuck, Madisville	c	c					
Leut. Hunt, do	c						
Miss E. A. Shepherd	c						
Dr. J. H. Evansville	c						
Nathan Salaman, 570 E. 10th	c						
Adams Erie	c						
Miss Coleman 1322 E. 10th	c						
Miss Black York	c						
C. C. Haskell, Columbia	c						
Miss Graham Lexington	c						
Miss Sommer	c						
Mr. S. Levent	c						
W. H. Deulingen	c						
Frank 1425 E. 10th	c						
Blondeloper, Pina	c						
Miss Bremer (or well paid)	c						
Mr. Wharton Greenboro	c						
Mr. J. H. Hunt, do	c						
Miss Turner, do	c						
Miss Telcher 836 E. 10th	c						
Miss	c						
Wm. M. Hollander 2046 E. 10th	c						
Wm. Mansford Augusta	c	OH.					
Miss Wheeler, do, 2125 E. 10th	c	OH.					
Wm. J. Berry, do	c						

Charge.	Brought Forward.	Total.
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MEMORANDA.

\$50 = charge. Can increase

1729 vol. in 8^{to}, imp. half leather

513 p. 1000 yu

Dr. Hennen

1000

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Richardson, D. 1897. *et al.*. *et al.*

L'Ind. Cere. et. Ind.

0 3/2, 10 100

\$10 to charge

PA 21-6 day. Bill 4- J C H.

- Ad

OH Dealers under

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1110 Florida Ave S.W.

57+ 57+

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57

S. californicus

Top - Denver.

0 + change

City 10/21. Dr Z. Ancon. Del. Germany.

B 25- to change

25-

chess.

25-
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20

q. New York
v. 784 in Newburg
L. 2 Dec 1871

1. d. a
 2. c
 3. a
 4. b

March.

[illegible]

Charge. Brought
Forward. Total.

MEMORANDA.

50

alliance Ga.

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Part of the

2. 2. 10 = 100

25

C. A. de la Cruz

20

Wm. de la Cruz, 1000 N. 1st St.
St. Louis, Mo. 1000 N. 1st St.
Charles de la Cruz

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25

25

NAME.	Su. 20	M. 21	Tu. 22	W. 23	Th. 24	F. 25	Sa. 26
B. Under (DTH)	c						
H. Munnia Haysville ^{an}	c						
W E Buford	c						
P. Morgan Cambridge					c		
W. A. Haysville					c		
A. C. Haysville					c		
Haysville Taylor, 808 Rialto					c		
Mrs J. Ballard 2106 S St.					c		
E. Jackson					c		
Hays Laverport					c		
Mrs Kaufman Alexandria Va					c		
Mrs J. Haysville					c		
Mrs Schumann 504 Pressman St					c		
A. S. Simonds Charles St						c	
B. J. McGuire, Va & DTH						c	
W R Meredith Richmond Va						c	
T R Hild York Pa						c	
H I Hamburg						c	
Mrs B Frank DTH						c	
Mrs Haysville						c	
Mrs J. Cohen Richmond Va						c	
W. A. Thompson							c
Mrs Fessenden P. D. Ave							c
Mrs Clinton Cushing DTH							c
A. G. Haysville Washington							c

NAME.

Sa	M	Tu	W	Th	F	Sa
27	28	29	30	31	1	2

Chas Lairdraig Sept. Wash. St C						
Geo Backe Wash. St. M C						
Mr Brown. " " M C						
Mr Gumbrell 1321 Eul Pl C						
Wm Thompson Easton Ave C						
Miss Barnwell. Charlotte St. C						
Miss Hunt Gray. C						
Thos Dawson Northfield C						
Wm Stenbaker 1321 Eul Pl C						
Dr Kroh. 1074 " C						
R. E. Sigler Fredens C						
Mr Hennig. Hagerman. " C						
Mr Stult. Eu dau Ave C C C C						
T J Hayward " C						
Miss Schler 1905 McCullh C						
C. P. Smith Buffalo " C C						
Mr Jayne " C						
Miss Backe. (Wash.) M C						
Mr Seleeuw. Holland / Bay of C						
Mr Porter (Dr P. mother. 214) 214. C						
Mr Boggs (Dr B. mother) M C						
Miss M J Firth 253 Park St C						
7 R Roberts 1607 St Paul " C						
Mr Dangfeld (Mrs Carter) " C						
Prof. James Parents Old Mt. C						
Miss Culberg Norden. R2 C						
Mr. Commey " C						
Mr Bush Fort. adn R2 C						
Miss Hayes Wagonston C						
Mr. Hovos W Paul " C						

Charge.	Brought Forward.	Total.	MEMORANDA
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25-

Med Student
C. J. McIlwain M.D. Ty Kven

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C M Smith

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\$1.00 to charge

5 B. 2

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16 25 St P.

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25 to the 71 - And in the end.

\$ 250 + charge.

X1.3. New Bullen Column. 7c 8 26"
" Col. Buchanan 4540 25"

NAME	Su. 3	M. 4	Tu. 5	W. 6	Th. 7	F. 8	Sa. 9
Mr Melledorfer Richmond Va	c						
Mr Baulz. Hamsburg Va	c						
Bozton Lee 1300 N Ches St.		cc					
Dr J F Funt Harrisburg Pa	c						
Mr Whitlock 29 N V. M.	c						
Mr R T Bullen (Dr Bullen) Pa	c						
Mr Orlebach. Richmond Va	c						
Dr Kroh. (Pa)	c					c	
Mr J S Catano. Baltimore Md		c					
Miss J M Turner 411 E. 22nd St		c					
Miss Purce. Pa		c					
Miss 1307 B. Ave.	c						
Dr Melledorfer. Pa			c				
Mr Lloyd Smith Philadelphia Pa				c			
Mr Meyer. Mendon Mass				c	c		
Miss Thomas Springfield Mass				c			
Mr J B Clark. Albion N.Y.				c			
Miss Susan McCune. Pa				c			
Mr T. Patton 1224 Madison St				c	c	c	
Mr Abell. Mt Vernon				c	c	c	
Mr Ravenel. Charleston S.C.				c			
Mr W S C O Corcoran					c		
Mr Hummel Springfield Mass				c	c		
Mr Robertham. Wm. V. C. Pa					c		
G C Burch 2648 Hampden Ave					c		
Mr Melting. Wilmington Pa						c	

~~Money~~Brought
Forward.

Total

MEMORANDA.

10 10

300 bch pd

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c or Fredenwald.

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Pillbury 25-t clay

5-0

no charge.

10

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	10	11	12	13	14	15	16
Mr. Page - (1074)	c						
Mr. Otten	c		c	c	c		c
Mrs. d. Gudman	c						
May. Culshaw v		c					
Mrs. Fink. Linnville	c						
Mrs. S. Kame to Bdm	c						
Mr. Smith. Huthville v	c						
Mr. Jagne	c						
Mr. Reed. (Amis)	c						
Mr. Melcal 24 35 to Chm	c						
Mr. Hefner d.	c						
Mr. Steneman		c					
O. G. Jones Birmingham Ad			c				
Dr. Clark. Springfield St			c				
Dr. May Cross Ala St			c				
Rev. Mr. Cullen Hagerstown St			c				
Mr. Rudyburg. Senevint				c	c		
Mr. Silverman Phila				c			
H D Sadler cal-						c	
Mr. H. Buppard Frederic					c		
Miss Byrne St Louis Mo					c		
Mr. W D Phelps 224 Wmca					c		
Mrs. Hart Newman New Orleans					c		
Miss Tyson					c		
Leah. Picknell Wm						c	
Mrs. Chero 1937 Ent. Pl.						c	

Charge.	Brought Forward.	Total.	MEMORANDA.
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NAME.	Su. 17	M. 18	Tu. 19	W. 20	Th. 21	F. 22	Sa. 23
Mrs Marx Norfolk Va	c						
Mrs Goodman 1831 Kinder	c						
Mrs Korenschak 2020 Ball		c					
Mrs Cox Montgomery Va	c		St.				
J Sachs 2126 24 am	c						
Mrs W H Jones Petersburg Va			c	c			
J P Freyler Indianapolis Ind			c	c			
Mrs L E Cochran Georgetown D.			c	c	c		
Mrs Britt Charleston W Va				c			
Mrs J T Brooks Bristol St.				c			
Mrs Cole Texas St				c			
J O Lockington 1205 N. Ch.				c			
Miss F L Harris 2005 East Pl.					c		
Dr Ackerson of - St					c		
Mrs Lerch Georgetown					c		
Mrs Chamberlain Harrison Va					c		
Mrs Gouldford (Chas) Va					c		
Miss Folchman 307 So. Main						c	
Mrs L H Loggins 32 Wash. Sq. N.Y.						c	
Bertha Morris. N.C.						c	
Archie. Mann. 21 Linn St							c
Mrs Chan 1045 Glen							c

Charge.

Brought
Forward.

Total.

MEMORANDA.

25-

C & Hum. appendices

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\$10 to ch. Mrs S. Ch. neph. an.

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w/pe y or Cole

\$5 Brought \$10 to charge.

20 to charge

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C. M. Kessler. Can't lower in fall 51
and. unfast edge a 2nd
Jan. 1. 1901. 1903.

Church Home. 10 to ch

NAME.	Sr.	M.	Tu.	W.	Th.	F.	Sa.
	24	25	26	27	28	29	30
J Graham Washington	c						
Ed. a w Soper N.Y.		c					
George March			c				
Wm Hildekofer Phila			c				
J M Wolff. 2113 Adams St				c			
Morris Siegel					c		
Wm South. Montgomery wa					c		
Wm Fowler 1201 N Ches					c		
T J Hayward					c		
Mrs Brager				c			
Dr Goodenau c. 1. ga OH						c	
Dr J. H. Bellamy Louisville						c	
A Warfield Cumberland						c	
Miss Taylor at 7 Fair						c	
Wm D Cohen						c	
Wm 1704 End Pl							c
Lucas McKeetham wa						c	
Mrs Ennis							c
Mrs Woodward } Berninghs							c
Mrs Russell 2006 E 8th St.						c	
Mrs H Wheeler. Mrs C. Nash.							c

Charge.	Brought Forward.	Total.

MEMORANDA.

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. 5-0 A. 5-9th-St.

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Dr.

Dr. Mother

C or Friedmannald. Biot +

from Dr Phillips Suffolk Va

G. C. C. Co Va

15

C or Volgrau

C or Hevan

C or Hamburger

25

25

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Dr.

Dr

	Sat.	M	Tu.	We.	Th.	F.	Sun.
	1	2	3	4	5	6	7
Mr. James Hays	c						
Gra. Alger Detroit	e						
Mr. J. B. Brown						e	
Mr. Lyman May						e	
H. C. Jones Philadelphia Pa						e	e
Wm. Johnston & Co. Baltimore						e	e
Mr. J. Tully Greenville S.C.						e	
Mr. St Paul (Bt)						e	
Mr. Brit Charleston W.Va						e	
Mr. Morgan Smith Jr. Wash D.C.						e	
Cole M. Means New York						e	
Baker New York						e	
Elliott D'Amiel						e	
Jones						e	
Mr. James						e	
Miss Abby Lewis						e	
A. J. Rohr 1917 Sat N.Y.						e	

Record.

December, 1901

Charge.	Brought Forward.	Total
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MEMORANDA

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ad \$1.50 to charges. Evidence.
 Post charge

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13/2

1721 Mad. Ave.

902 11 Paul

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Charge.	Brought Forward.	Total.
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MEMORANDA.

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collected

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25 to charge

10 Ball 51

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500 duck club by 11/11/01

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} 20 to charge.

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C. S. Branham delat. work at 70

12/13 10 to charge. 10/12/01

20 to charge.

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December, 1901.

Daily

NAME.

Su.	M.	Tu	W.	Th.	F.	Sa.
15	16	17	18	19	20	21

C. A. Platt 119 E 64th. N.Y. c

J F Shea, 351 E 5th. Wash. c

Mrs Winkler 41 c

New Cat or 600 Cuth. c

New 16th apt. c

Hottel de paper. Phila. c

Mrs A Hecht c

Mr Albert Rayner c

7 a Wajah c

QE Turner 408 E 2nd. c

Dr Frohman 214 E 1st c

Mrs Dillenbergh Staff. Hotel c

Mrs Newman Lyndeburg. c

J Rose. N.Y. c

Mrs Seibelgreen. c

J Wall (Mrs) One field. N.Y. c

Dr Sam Standerbille Va. D.H. c

Mrs Frank c

Mr 1403 3rd Paul c

Mr 12 11 St Paul c

Gen. Alger Selbst c

Charge.	Brought Forward.	Total.
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MEMORANDA.

25-1 charge

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received with C 22 others & keys

20 to ch

1814 East Place

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Mendocino

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D.

C on O'Sullivan. P. Tent

C to Bennett. apple. al. 40. mm

NAME.	Sa	M.	Tu.	We.	Th.	F.	Sa
	12	23	24	25	26	27	28
Gün ulgen	c						
Kurt D. Kuntze	c						
Der Es Geyz angulden ka				B. alm.			c
Anjama & Oberstmann ka							c
Kun In	ort.						c

CHARGE	DEBIT	CREDIT	TOTAL
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MEMORANDA

72000 - 12-8

425 1/2 c. 8.00

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Daily

NAME.	Sa.	M.	Tu.	W.	Th.	F.	Sa.
	29	30	31				
Ben Harrison 1412 East M	c						
Stephen Herga Ogden Utah	c						
Wm Murray 838 Cedar St	c						
Ben Russell Coon Oregon	c						✓
John Poe	c						✓
Joseph P. Hansen 314 N. 4th	c						
Mrs Hunt 2030 Adams Bay Ave	c						✓
Dr Ocker Collection Pa	c						✓
Mrs Skene (Dr Skene's)	c						✓
Dr Kneen Tacoma Wash	c						
Ben Carroll	c						
Dr C. M. Paul Paula	c						
Miss L. B. Allen	c						

Balance	Brought Forward	Total
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MEMORANDA.

50

200 for. 13.4 ^{\$25} 12.5

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200 for. 13.4 ^{\$25} 12.5

\$100 change

GENERAL MEMORANDA.

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GENERAL MEMORANDUM

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10	4.1	
25	4.1	
20	4.1	
05	4.1	
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10		02.1
10	4.1	
20		
100		
10		02.1
20	4.1	
100		
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25		02.1
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GENERAL MEMORANDA.

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GENERAL MEMORANDA

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GENERAL MEMORANDA.

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C. P. on-grease

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02.1

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7.1

NAME OF FATHER.	AGE	NAME OF MOTHER.	AGE	End Last Menstr.	Date Exp'd. Conft.	Date Del'd.
4. Mrs. Allen		Donahoe				
5. Mrs. Michael		Phelan				
6. Mrs. Robert		Wright				
7. Mrs. Robert		Wright				
8. Mrs. Burdick		Wright				
9. Mrs. E. Allen		Wright				
10. Mrs. E. Allen		Wright				
11. Mrs. E. Allen		Wright				
12. Mrs. E. Allen		Wright				
13. Mrs. E. Allen		Wright				
14. Mrs. E. Allen		Wright				
15. Mrs. E. Allen		Wright				
16. Mrs. E. Allen		Wright				
17. Mrs. E. Allen		Wright				
18. Mrs. E. Allen		Wright				
19. Mrs. E. Allen		Wright				
20. Mrs. E. Allen		Wright				
21. Mrs. E. Allen		Wright				
22. Mrs. E. Allen		Wright				
23. Mrs. E. Allen		Wright				
24. Mrs. E. Allen		Wright				
25. Mrs. E. Allen		Wright				
26. Mrs. E. Allen		Wright				
27. Mrs. E. Allen		Wright				
28. Mrs. E. Allen		Wright				
29. Mrs. E. Allen		Wright				
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31. Mrs. E. Allen		Wright				
32. Mrs. E. Allen		Wright				
33. Mrs. E. Allen		Wright				
34. Mrs. E. Allen		Wright				
35. Mrs. E. Allen		Wright				
36. Mrs. E. Allen		Wright				
37. Mrs. E. Allen		Wright				
38. Mrs. E. Allen		Wright				
39. Mrs. E. Allen		Wright				
40. Mrs. E. Allen		Wright				
41. Mrs. E. Allen		Wright				
42. Mrs. E. Allen		Wright				
43. Mrs. E. Allen		Wright				
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46. Mrs. E. Allen		Wright				
47. Mrs. E. Allen		Wright				
48. Mrs. E. Allen		Wright				
49. Mrs. E. Allen		Wright				
50. Mrs. E. Allen		Wright				

NAME OF CHILD.	No.	Sex	Race.	Wght.	Lgth.	Present- ation.	ADDRESS.
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c	White	Female	German			7.1	
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Frank

7.1

12.1

c. of 1021 Hamilton

7.1

✓ 02.1

c. of 1021 Hamilton

12.1

12.1

02.1

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02.1

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" c. of 1021 Hamilton

02.1

12.1

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02.1

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" "

[illegible]

Obstetric Engagements and Practice.

NAME OF FATHER.	Age	NAME OF MOTHER.	Age	End Last Menst.	Date Exptd. Conf't.	Date Del'd
1. 16		Mrs Hess	1937	Feb	Pl.	
2. 17		Mrs. Gardner	186	Feb	Pl.	
3. 18		J. Baker	1700	Feb	Pl.	
4. 19		Mrs. H. H. H.	1800	Feb	Pl.	
5. 20		Mrs. 7 & H. H. H.	2005	Feb	Pl.	
6. 21		Mrs. Cora G. H. H.				
7. 22		Mrs. Chamberlain	1800	Feb	Pl.	
8. 23		Mrs. 17 & H. H. H.				
9. 24		Mrs. Bertha H. H.	1800	Feb	Pl.	
10. 25		Mrs. 17 & H. H. H.				
11. 26		Mrs. 17 & H. H. H.				
12. 27		Mrs. 17 & H. H. H.				
13. 28		Mrs. 17 & H. H. H.				
14. 29		Mrs. 17 & H. H. H.				
15. 30		Mrs. 17 & H. H. H.				
16. 31		Mrs. 17 & H. H. H.				
17. 32		Mrs. 17 & H. H. H.				
18. 33		Mrs. 17 & H. H. H.				
19. 34		Mrs. 17 & H. H. H.				
20. 35		Mrs. 17 & H. H. H.				
21. 36		Mrs. 17 & H. H. H.				
22. 37		Mrs. 17 & H. H. H.				
23. 38		Mrs. 17 & H. H. H.				
24. 39		Mrs. 17 & H. H. H.				
25. 40		Mrs. 17 & H. H. H.				
26. 41		Mrs. 17 & H. H. H.				
27. 42		Mrs. 17 & H. H. H.				
28. 43		Mrs. 17 & H. H. H.				
29. 44		Mrs. 17 & H. H. H.				
30. 45		Mrs. 17 & H. H. H.				
31. 46		Mrs. 17 & H. H. H.				
32. 47		Mrs. 17 & H. H. H.				
33. 48		Mrs. 17 & H. H. H.				
34. 49		Mrs. 17 & H. H. H.				
35. 50		Mrs. 17 & H. H. H.				
36. 51		Mrs. 17 & H. H. H.				
37. 52		Mrs. 17 & H. H. H.				
38. 53		Mrs. 17 & H. H. H.				
39. 54		Mrs. 17 & H. H. H.				
40. 55		Mrs. 17 & H. H. H.				
41. 56		Mrs. 17 & H. H. H.				
42. 57		Mrs. 17 & H. H. H.				
43. 58		Mrs. 17 & H. H. H.				
44. 59		Mrs. 17 & H. H. H.				
45. 60		Mrs. 17 & H. H. H.				
46. 61		Mrs. 17 & H. H. H.				
47. 62		Mrs. 17 & H. H. H.				
48. 63		Mrs. 17 & H. H. H.				
49. 64		Mrs. 17 & H. H. H.				
50. 65		Mrs. 17 & H. H. H.				
51. 66		Mrs. 17 & H. H. H.				
52. 67		Mrs. 17 & H. H. H.				
53. 68		Mrs. 17 & H. H. H.				
54. 69		Mrs. 17 & H. H. H.				
55. 70		Mrs. 17 & H. H. H.				
56. 71		Mrs. 17 & H. H. H.				
57. 72		Mrs. 17 & H. H. H.				
58. 73		Mrs. 17 & H. H. H.				
59. 74		Mrs. 17 & H. H. H.				
60. 75		Mrs. 17 & H. H. H.				
61. 76		Mrs. 17 & H. H. H.				
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66. 81		Mrs. 17 & H. H. H.				
67. 82		Mrs. 17 & H. H. H.				
68. 83		Mrs. 17 & H. H. H.				
69. 84		Mrs. 17 & H. H. H.				
70. 85		Mrs. 17 & H. H. H.				
71. 86		Mrs. 17 & H. H. H.				
72. 87		Mrs. 17 & H. H. H.				
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79. 94		Mrs. 17 & H. H. H.				
80. 95		Mrs. 17 & H. H. H.				
81. 96		Mrs. 17 & H. H. H.				
82. 97		Mrs. 17 & H. H. H.				
83. 98		Mrs. 17 & H. H. H.				
84. 99		Mrs. 17 & H. H. H.				
85. 100		Mrs. 17 & H. H. H.				

[illegible]

NAME OF FATHER.	Age.	NAME OF MOTHER.	Age.	End	Date	Date
				Last	Expid.	
				Menst.	Conf't.	

21. 15		Eda Platt	119 E 94th St. N.Y.			
" "		R. W. Carter	600 Cathedral			
" "		Mr. A. P. Knapp	Catonsville Md			
17		Miss Albert Hecht				
" "		Miss A. H. Baynes				
18		Miss Alice Hays	St. Louis			
" "		Miss Rebecca	St. Louis			
" 17		Mr. Henry Wall	1503 St. Paul			
" "		Mr. S. H. Hack	1211 St. Paul			
" 20		Mr. Gilgen	St. Louis			
" 22		Mrs. G. Hendrie	425 Jeff. Ave. Detroit			
" 29		Mrs. Murray	Cathedral St.			
" 30		Capt. J. P. Haines	1314 N. Ches.			
" 31		Mr. Carroll	1003 St. Paul St.			
" 31		Miss L. Barton				

NAME OF CHILD.	No.	Sex	Race.	Weight.	Length.	Proportion.	Address.
25-							"
25-							"
10							"
10	2	Male	4	Black	4		"
10							"
10							"
10	C 10		O'Connell				
20							
2100		Cm.		X 11.	2.0	12.20.01	
25-							
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20.							

NAME OF CHILD.	No.	Sex	Race.	Weight.	Length.	Presentation.	Address
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NAME OF FATHER.	Age	NAME OF MOTHER.	Age	End Last Menst.	Date Exptd. Conf't.	Date Del'd.
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NAME OF CHILD.	No.	Sex	Race.	Weight.	Height.	Presentation.	ADDRESS.
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NAME.

DATE.

RESULT.

Vaccinations.

361

[illegible]

NAME.

DATE.

RESULT.

NAME.

DATE.

RESULT.

NAME AND ADDRESS OF DECEASED.

AGE.

Y. M. D.

COLOR.

Mr'd. Single
or Widowed

PLACE AND CAUSE OF DEATH.

DATE.

NAME AND ADDRESS OF DECEASED.

AGE.

Y. M. D.

COLOR.

Mr'd, Single
or Widowed

PLACE AND CAUSE OF DEATH.

DATE.

ADDRESSES OF PATIENTS.

ADDRESSES OF PATIENTS.

ADDRESSES OF PATIENTS.

ADDRESSES OF PATIENTS.

ADDRESSES OF NURSES.

ADDRESSES OF NURSES.

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID
1.1.91	C B J Thunson		20 00	
" 2 "	Lippincott Estate		10 00	
" 3 "	Mr S. Jones		10 00	
" "	Mr Goodgrass		25 00	
" "	Mr Boelen		100 00	
" "	Mr. [unclear]		10 00	
" "	Mr Howard		10 00	
" "	Mr E Shume		10 00	
" "	Mr Carlson		10 00	
" 5 "	St. Catherine's		100 00	
" "	W. McKean Estate		150 00	
" "	Mr Proctor		50 00	
" "	Mr C. [unclear]		10 00	
" "	Mr. [unclear]		10 00	
" "	W E Cuthbert		25 00	
" "	L. Holgers		40 00	
" "	Mr. [unclear]		25 00	
" "	F L Maslin		10 00	
" "	Mr. Brunner		20 00	
" "	Horace Joseph		100 00	
" "	H B Keger		25 00	
" "	Mr. Friedrich		10 00	
" "	Mr. Tull		100 00	
" "	Miss Peterson		10 00	
" 7 "	Mr. Baughen		10 00	
" "	Mr. Bird		10 00	
" "	Mr. McPherson		10 00	
" "	Mr. Fleming		10 00	
" "	Mr. [unclear]		10 00	
			8 00 00	

Cash Account.

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BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forward		\$ 25	00
7	Joseph ...		10	00
8	Mrs. McKinn		10	00
	W. Butler		15	00
	Mr. Fulerter		25	00
	Mr. J. Meyer		10	00
	J. Hoffman		10	00
	Mr. Goldman		10	00
9	Mr. Grenter		50	00
	Mr. Chalmer		25	00
	Mr. Morgan		25	00
	Miss Nicholas		10	00
	Mr. Litch		25	00
	B. Randall		10	00
	Mr. Woodless		25	00
	Carson Glass		25	00
	Mr. Lorenstein		10	00
14	Mr. Culline		25	00
	Mr. Rumpf		25	00
	...		50	00
	Miss Swan		10	00
	Miss Mary ...		200	00
	...		10	00
	Dr. S. F. ...		25	00
17	Miss Hecht ...		10	00
18	Mr. Baer		25	00
	W. D. Lilly		10	00
	Mr. ...		25	00
19	Miss A. A. Owen		10	00
			\$ 1545	00

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forward		54- 00	
Jan. 19	Mr. Eisenberg		15 00	
" "	Mr Carpenter		5 00	"
" 21	Mr Samuel		10 "	
" 22	Mrs. L. Angle		10 00	
" "	Francis Schule		10 "	
" "	Levy Kaplan		10 "	
" "	Mr		20 00	
" 24	Judge D		100 "	
" "	Mr Linselland		10 00	
" 25	J Friedman		10 00	
" 26	Mr Witten		25 00	
" "	Capt P		25 "	
" "	Capt Selig		10 00	
" 27	Mr Miller		10 00	
" 8	Barthel Heyward		10 00	
" 29	Charles Wagner		10 00	
Feb. 1	E Koch		10 00	
" "	Aug Keller		20 00	
" "	Mr Friedman		10 00	
" "	Mr S		10 00	
" 2	St Kerngood		10 00	
" "	Mr Madelon		10 00	
II 5	Mrs. Hess		10 00	
" 6	Mrs. Kleinfanger		10 00	
" 10	Apple & Co. Drk	\$ 5277	99	
" 13	Mr S		10 00	
" "	Mr Porter		10 00	
" 14	Capt Bach		10 00	
" "	E Lee		10 00	

BILL SENT	NAME.	AMOUNT CHARGED	AMOUNT PAID	WHEN PAID
			77 2460 00	
16	G. M. Indest		10 00	
"	Wm Burk		25 00	
"	Wm Jones		10 00	
17	Hugh Kumpel		10 00	
"	Wm. Bennett		10 00	
18	Mrs. Neysand		10 00	
19	Capt. Peurre		10 00	
"	Wm. Dudley		25 00	
20	Wm. Bennett		10 00	
"	Wm. Bennett		10 00	
22	Hyd. Bonds	500 00		
25	Mrs. Levin		10 00	
26	Mrs. Bauernschmidt		10 00	
27	Mrs. Schermer		50 00	
"	Hugh. G. Miller		20 00	
"	Wm. H. G. Miller		20 00	
Mar 1	Mr. R. H. Lightman		25 00	
16	Mrs. S. S. S. S.		25 00	
"	Mrs. Neysand		10 00	
11	Mrs. R. R. R.		20 00	
7	Dr. Jacobs, Am. Com.		50 00	
"	Dr. H. H. H.		25 00	
"	Ed. Coghill		25 00	
"	R. C. Swanson		15 00	
"	W. B. E. E.		10 00	
"	Wm. F. F.		25 00	
"	Wm. H. H.		10 00	
"	Wm. D. D.		10 00	
			3075 00	

DATE	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forward.		3675	00
11. 11	Mr. J. L. H. H.		25	00
" 12	Mr. T. M. M.		25	00
"	J. T. L.		1000	00
" 13	Mr. C. L.		25	00
"	Dr. H.		25	00
"	Mr. B.		10	00
" 14	Mr. H.		10	00
"	Mr. S.		10	00
"	Mr. H.		10	00
" 16	Mr. B.		1000	00
"	Mr. J.		500	00
" 1	Mr. L.		100	00
"	Mr. E.		20	00
" 18	Mr. H.		15	00
" 2	Mr. M.		10	00
"	Mr. S.		25	00
" 20	Mr. M.		10	00
"	Mr. W.		10	00
"	Mr. D.		10	00
"	Mr. T.		25	00
" 21	Mr. L.		25	00
"	Mr. A.		25	00
"	Mr. B.		20	00
"	Mr. H.		10	00
"	Mr. G.		10	00
"	Mr. A.		10	00
3-27	Mr. S.		1000	00
	Mr. L.		5000	00
			6600	00

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID	WHEN PAID
	Forward		6650	00
3-26	Arthur Stewart		1	50
" 27	Mrs Klein		10	00
" 28	Mrs Cushman		20	00
"	Mrs J. J. J.		25	00
"	Mrs J. J. J.		25	00
"	Mrs Newman		100	00
" 28	Mrs Hammond		150	00
"	Mrs Mansfield		20	00
"	Mrs J. J. J.		10	00
" 30	Mrs J. J. J.		50	00
" 31	E A Slack		25	00
" 1	J W Cook		10	00
" 2	Capt Foster		10	00
"	Mrs Chamberlain		10	00
" 3	Mrs Jones		20	00
"	Mrs J. J. J.		20	00
" 4	Nichols		20	00
"	J. J. J.		10	00
"	Tw Tingle		10	00
"	D Grubb		10	00
" 5	J. J. J.		25	00
"	Baumblatt		10	00
"	J. J. J.		25	00
"	Mrs Kasson		25	00
"	Mrs Bolton		25	00
"	Mrs Barney		50	00
" 6	Mrs Latham		25	00
"	Mrs T. J. J.		25	00
" 7	D H Green		25	00

\$ 7395 00

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forward		7395	00
4 7	Mrs. Neely		25	00
"	Mrs. Leamon		10	00
" 8	Mrs. H. S. Leary		10	00
" 10	Mrs. S. D. Leary		10	00
" 9	Mrs. L. Davidson		25	00
" 11	Mrs. Treacy		25	00
" 12	Mrs. R. Phillips		25	00
" 13	Mrs. Allen		10	00
" 14	Mrs. S. D. Slater		500	00
" 15	Mrs. Henry		20	00
" "	Mrs. T. Hays		25	00
" 16	Mrs. Perley		25	00
" "	Mrs. F. Day		100	00
" "	Mrs. Brown		10	00
" "	Mrs. Selby		25	00
" 17	Mrs. Batts		20	00
" "	Mrs. Antelberg		20	00
" "	Mrs. Long		10	00
" "	Mrs. Schenckel		10	00
" "	Mrs. Henry		10	00
" "	Mrs. Keller		10	00
" "	Mrs. Kaufman		25	00
" 18	Mrs. Wattle		20	00
" "	Mrs. Fessenden		10	00
" 19	Mrs. Gamble (in acc)		500	00
" "	Mrs. Barnes		20	00
" "	Gen. Clark		20	00
" 22	Mrs. J. Martin		10	00
" "	Mrs. Fessenden		100	00
			\$8945	00

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forward		8945 00	
23	Mrs Chamberlain		25 00	
	Mrs Constantine		25 00	
24	Mrs Newcome.		25 00	
"	Mrs Delvolf		25 00	
"	Mrs Garland		10 00	
"	Gordon & Co		20 00	
25	Mrs Roberts		25 00	
"	Mrs Boardin		100 00	
"	Mrs Littleman		25 00	
"	T O Johnson		25 00	
"	Mrs McPherson		10 00	
28	Mrs Grant		10 00	
28	Mrs Doackson		10 00	
"	Mrs Lyall		20 00	
30	H. Jackson post. B. of		25 00	
1	Mrs Shallenbarger		25 00	
2	Mrs Taft		25 00	
"	W C Caven		10 00	
3	Mrs Dorch		25 00	
"	Mrs Russell		25 00	
4	Mrs Robin		10 00	
"	Mrs Joseph		10 00	
5	Mrs Deussen		25 00	
"	Mrs Doyle		25 00	
8	Mrs Sayre		20 00	
"	Mrs Glavin		10 00	
"	Mrs Robert.		10 00	
10	Mrs Green		20 00	
"	Mrs Lang		10 00	

\$ 9575 00

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	70.00 24		95.75	00
5-1	Mrs Lorchelun		3.00	00
5-13	Mrs. Lorchelun		10	00
5-16	Mrs. Garret's		5.00	00
5-17	100 Mt. Street Chm.		75	00
5-18	Mrs. Lorchelun		10	00
5-19	Mrs. Lorchelun		20	00
5-20	Mrs. Lorchelun		45	00
5-21	Mrs. Lorchelun		10	00
5-22	Mrs. Lorchelun		20	00
5-23	Mrs. Lorchelun		20	00
5-24	Mrs. Lorchelun		20	00
5-25	Mrs. Lorchelun		20	00
5-26	Mrs. Lorchelun		10	00
5-27	Mrs. Lorchelun		10	00
5-28	Mrs. Lorchelun		100	00
5-29	Mrs. Lorchelun		25	00
5-30	Mrs. Lorchelun		25	00
5-31	Mrs. Lorchelun		25	00
5-32	Mrs. Lorchelun		10	00
5-33	Mrs. Lorchelun		10	00
5-34	Mrs. Lorchelun		10	00
5-35	Mrs. Lorchelun		20	00
5-36	Mrs. Lorchelun		20	00
5-37	Mrs. Lorchelun		30	00
5-38	Mrs. Lorchelun		10	00
5-39	Mrs. Lorchelun		10	00
5-40	Mrs. Lorchelun		10	00
5-41	Mrs. Lorchelun		100	00
5-42	Mrs. Lorchelun		11.05	00

Cash Account.

1881

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
6 3	Townsend		11.105	00
4	Mr Pope		50	00
"	Mr Townsend		10	00
"	W C Schenck		5 00	00
"	W C Schenck		25	00
"	L Phipps		1 00	00
"	Mr King		10	00
"	Volney Brown		10	00
"	Mr Hould		10	00
"	C B Roberts		20	00
"	Barney et.		20	00
"	Mr		10	00
"	Mr Schell		10	00
"	Mr Eymore		10	00
"	Mr Elmore		25	00
5	Mr Garfield		100	00
"	Mr Butler.		25	00
"	Mr Allison		30	00
"	Stephen Hunt Dr		350	00
"	J J Smith		25	00
"	Miss Crutcher		10	00
"	Mr Wright		10	00
6	John Hay		25	00
"	Mr Lewis		25	00
"	Harvard Phipps		25	00
"	James Parnell		5 00	00
"	C McArthur		10	00
"	" Carpenter		10	00
"	Mr Brenbann		10	00
"	Mr Mount		10	00

1308.50

BILL SENT.	NAME	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
6.7.	Forward		13085-00	
" "	C J Bonaparte		25-00	
" "	Albert Rine		25-00	
" "	Mrs abell		10-00	
" "	Basil Gordon		10-00	
" "	Jo Mc calderwell		25-00	
" "	Mrs Showaers		10-00	
" 8	Darres Warfield		15-00	
" "	Mrs Hartman		10-00	
" "	Miss James		25-00	
" "	Miss James		25-00	
" "	Nathl McKay		25-00	
" 10	Mrs Hummel		10-00	
" "	F B Cahm		20-00	
" "	B Randall		10-00	
" "	Samll Smith		25-00	
" "	C W Smith		25-00	
" "	C W Smith - Mrs		25-00	
" "	Mrs Sten		10-00	
" "	Mrs Silberman		25-00	
" "	Mrs Strouse		300-00	
" H	Mrs Kuenfeld		10-00	
" "	C J. Keyser		10-00	
" 12	Miss Barber		25-00	
" "	Mrs Kerschbaum		25-00	
" "	Miss Clappett		10-00	
" "	Miss Heathcote		20-00	
" "	Miss Silver		10-00	
" "	Mrs. Kirkpatrick		20-00	
			13.850 00	

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	AMOUNT PAID.
			13.850 00	
6	13 Mr E Hooper		25 00	
14	Jun. Mel. art.		500 00	
	W. Mc Keagh.		40 00	
	Judge Bryan		25 00	
15	Carl Ruff		20 00	
	James Scott		500 00	
	L. S. Perry		25 00	
	Mrs Perry		10 00	
7	Mr. Jesse Strauss.		1 00	
	Miss Fulton		10	
	T. J. Hayward		10	
	Godfrey Clegg		1 00	
	Mrs. Landon		25 -	
	Miss Wright		25 -	
	Mr. Hayal		10	
	Mr. James Givins		10	
	Mr. Wope Barr		25 -	
	Mr. A. R. Bragel		10	
	Mr. Martin Lehman		25 -	
	" C. T. Morris		20	
	" C. E. Kerry		25 -	
8	Dividend Int. Cych.		97 50	
	Mr Cook		10	
	" Ottenheimer		10	
	Mr. Hoard		10	
	" Ambach		10	
	" H. Rufus Hill		20	
	" Wright		10	
	" Rosenfeld		20	
			155 50	

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	<i>7m</i> Mr. Howland		15 57 50	
	Blackiston		1 50 00	
	Mr. Somerville		97 29	
	Miss [unclear]		5 00 00	
	John J. Bonarison		5 00	
Aug 7	John H. Campbell		10 00	
" "	A. A. [unclear]		10 00	
" "	Reidy [unclear]		25 00	
" 12	K. A. Alger		25 00	
" "	Upward [unclear]		100 00	
" 6	B. Jackson		10 00	
" 5	Booklovers Library		25 00	
" 20	B. B. C. Wend		25 00	
	Appletons		10 00	
	Mr. Goodenow		(708 41)	
	J. J. Banks		25 00	
	Mrs. Arnold		3 00 00	
7 25	Mr. Boston. N. Ber.		20 00	
" "	Mr. a. Calvert		20 00	
" "	Mrs. Plutarchus		20 00	
" 26	Mr. Anderson		20 00	
" "	Miss McCune		100 00	
" 27	Mr. Calcutt		10 00	
" "	Mr. Kneiburn		25 00	
" 28	Mrs. McClain		10 00	
" "	Mr. Egle		20 00	
X 1	Mr. Reynolds		10 00	
" "	Mr. Halvey		25 00	
	Capt. Kernach		10 00	

20186 29

Cash Account.

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BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forward —		20166 29	
574.50	Mr Shumuck		10 00	
97.50	Mr Roemer		10 00	
100.00	Mr Woodlaker		10 00	
50.00	Mr Glover		10 00	
10.00	G F Sprague		50 00	
10.00	Mr W. Osborne		25 00	
25.00	Q C Shaver		25 00	
25.00	Mr McCluen		25 00	
100.00	Mr Marshall		50 00	
10.00	Mr Kurz		20 00	
25.00	Miss Poup		10 00	
25.00	Mr C Waller		10 00	
10.00	Mr Glen		10 00	
50.00	Mr Herbell		20 00	
10.00	Mr Marx		30 00	
100.00	Mr Rosenbaum		10 00	
20.00	Mr Caselleberg		10 00	
20.00	Mr Haldex		25 00	
20.00	Mr Cushman		10 00	
20.00	Mr Simon		10 00	
10.00	Mr Shelluc		100 00	
10.00	deut. Hunt		10 00	
25.00	Judge Moberg		25 00	
25.00	Mr Jensen		10 00	
20.00	Mr Sweeney		10 00	
20.00	Mr Winerton		20 00	
15.00	Mr J. Perry		25 00	
10.00	Mr Lang		25 00	
10.00	Mr Harris		20 00	
10.00	Judge Shaker		25 00	
			20816 29	

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
	Forness		20.86	29
x/2.	Miss Nelson		20	00
" 13	Mr. Farguharson		50	00
"	Mr. Farguharson		25	00
"	Mr. Farguharson		10	00
" 15	Mr. Kernerman		15	00
6.20	Selfmanst - co		165	00
x/17	Mr. Gamble 4th pay		580	00
" "	BP Hutchison		20	00
" "	Ed. W. W. W.		25	00
18	Miss Swartz		15	00
"	Mr. Linsen		20	00
"	Mr. W. W. W.		10	00
18	Mr. Caldwell		25	00
20	It. W. W. W.		10	00
22	Mr. L. W. W.		100	00
"	Mr. Langwell. (Mr.)		25	00
"	Mr. W. W. W.		10	00
24	Mr. Morgan		10	00
"	Mr. W. W. W.		25	00
"	Mr. W. W. W.		25	00
"	Mr. W. W. W.		10	00
"	Mr. W. W. W.		20	00
"	Miss Taylor		10	00
"	Miss Bell and		20	00
"	Miss Davenport		10	00
"	Mr. Kaufman		25	00
"	Mr. Ridgely.		10	00
25	Mr. Simonds		50	00
"	Mr. Meredith		25	00

2219/00

BILL SENT.	NAME.	AMOUNT CHARGED.	AMOUNT PAID.	WHEN PAID.
86.25	Forwards d.	22191.50		
20.00	X 23 Mrs. Held	25.00		
50.00	" " Mrs. Hamburger	10.00		
20.00	" " Mrs. Cohen	20.00		
10.00	X 26 Mrs. Fersenfeld	10.00		
50.00	" " Mrs. Thompson	20.00		
50.00	" 27 Chas. David	25.00		
70.00	" 28 W. H. Thompson	20.00		
20.00	" " Mrs. Bernwell	10.00		
20.00	" " Mrs. Montgomery	10.00		
50.00	" " T. Dawson	20.00		
20.00	" " R. L. Lyster	10.00		
20.00	" 29 Mrs. Korman	10.00		
20.00	" " Mrs. Beckler	10.00		
50.00	30 Miss Fooks	10.00		
100.00	" " Mrs. Roberts	10.00		
20.00	31 Mrs. Barr	15.00		
20.00	" " Mrs. Strauss	50.00		
20.00	" " Miss Anthony	25.00		
20.00	" " Mrs. Munson	20.00		
20.00	X 2 Mrs. Hays	50.00		
20.00	" " Mrs. Miller	25.00		
20.00	" " Col. Kachawan	25.00		
10.00	" 3 M. H. L. L. L. L.	10.00		
20.00	" 4 Mrs. Dillebach	10.00		
10.00	5 Mrs. L. L. L.	20.00		
25.00	7 Mrs. Smith	25.00		
10.00	" " Mrs. Clark	10.00		
50.00	" " Miss Thomas	10.00		
25.00	8 Mrs. Korman	50.00		

A 22756

Cash Account.

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BILL SENT.	NAME.	AMOUNT	AMOUNT	WHEN
		CHARGED.	PAID.	PAID.
24	Forward		24 050 25	
25	Mrs Ward		10 00	
26	Mrs Malloy		20 00	
27	Mrs Wolf		10 00	
28	Mrs Sichel		10 00	
28	A. Campbell		15 00	
29	Leet M. Nelson		25 00	
30	Mrs Woodward		25 00	
30	Mrs Russell		10 00	
30	Mrs Pleasant		10 00	
Dec 4	Mr. Wolf.		20 00	
Dec 4	Mr. Richard Mansfield		25 00	
Dec 3	Bank of Montreal		100 00	
3	Imp. Bank of Canada		350 00	
5	Ben O'Grady		10 00	
6	Hon. William B. Hall		25 00	
11	Mrs Gundersen		25 00	
11	Mr. Povey		20 00	
7	Mrs Rohr		10 00	
8	Mrs Selnick		25 00	
8	W. S. A. Duke		25 00	
9	29 med Jr		25 00	
9	Mrs Morgan Smith		100 00	
10	Mrs Birch		25 00	
11	Mrs Baumgarten		10 00	
11	Mrs Nordlinger		10 00	
11	Mrs Gottschalk		10 00	
11	Chas Schmidt		20 00	
11	Mrs Chadderton		20 00	

8 250 25

BILL SENT.	NAME	AMOUNT CHARGED.	AMOUNT PAID.	WHILE PAID.
x 11 11	Forward		\$ 25-076 00	
x 11 11	Mrs Nelson Esda		100 00	
" 12	Miss May Taylor		10 00	
" "	Mrs S. J.		10 00	
" "	Mrs Fordney		20 00	
" 14	Gen J. J. J.		10 00	
" "	Capt. J. J.		25 00	
" "	May Calschaw		25 00	
" "	Mrs Newton		25 00	
" 15	F. Shea		25 00	
" 16	Mrs Tucker		10 00	
" 17	Mrs Wright		25 00	
" 18	Ed Calschaw		25 00	
" "	Mrs Lure		25 00	
" 19	Ed Mans		25 00	
" "	Mrs Turner		10 00	
" "	Mrs Gharleque		100 00	
" "	L. Mark		2000 00	
" 21	H. H. Hyde		25 00	
" 21	Mrs J. H. Stout		150 00	
" 22	St. Hollander		25 00	
" 28	Mrs Gregg		20 00	
" "	Mrs. Schubert		10 00	
" 30	Mrs. Krenkelorn		50 00	
" 31	Gen. Poe		25 00	
" "	Mrs. Brandt		10 00	
" "	Mrs. O'Brien		25 00	
" "	Mrs. Spurn		10 00	

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 Book 7182 00
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THE

MEDICAL NEWS

VISITING-LIST.

1902.

THIRTY PATIENTS PER WEEK.



PHILADELPHIA AND NEW YORK:
LEA BROTHERS & CO.

1901.

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HOW TO KEEP ACCOUNTS.

1. Keep your visiting list in such a way that you can fully explain it.
2. Transfer a record of your services at short intervals to a ledger, stating the items.

HOW TO KEEP THE VISITING LIST.

ENTER the names in the proper columns, and, in case of a new patient, the address (or husband's or parent's name and address) in the right hand page under the head of "Memoranda." Under the proper date make a little dot • in lead pencil for a visit *to be paid*, and if at a special hour, write this down: 10 A. M. When a visit is paid make a diagonal stroke in ink. When several visits are paid a series of strokes, / / /, may be made, or one with a little star *, and in the memorandum column the number of visits, "21 visits," may be written in. A night visit should be marked N. For an expected office case a small circle in lead pencil, o, should be made, and when the patient has come a diagonal stroke in ink, φ. For a consultation write *C, and in the "Memoranda" "Consultation with Dr. —" (whoever asked you in consultation). When you call a consultant mark the visit */ and in the "Memoranda" column write "Dr. — in consultation." A confinement case may be marked Cf., and anything special noted in column for memoranda. A vaccination should be marked V.

SIGNS.

•	<i>Visit to be made.</i>	φ	<i>Office Visit</i>
/	<i>Visit made.</i>	C	<i>Consultation (when you are the consultant).</i>
/ /	<i>Second Visit to be made same day.</i>	Cf.	<i>Confinement Case.</i>
/ / /	<i>Second Visit made.</i>	V	<i>Vaccination.</i>
N	<i>Night Visit.</i>	*	<i>Refers to a special note in column headed "Memoranda."</i>
o	<i>Office Visit expected.</i>		

DENTITION.

THE first teeth usually appear at about the seventh month, but they may be cut earlier or later without any presumption of disease. The first or temporary set of teeth numbers twenty, and appears approximately as follows (the numbers indicate months):

Molars.	Canine.	Incisors.	Canine.	Molars.
24-12	18	9-7-7-9	18	1-24

The permanent teeth appear about as follows (the numbers indicate years):

Molars.	Bicuspsids.	Canine.	Incisors.	Canine.	Bicuspsids.	Molars.
25-13-6	10-9	11	8-7-7-8	11	9-10	6-13-25

TO FIND DAY OF CONFINEMENT.

COUNT backward three months from the last day of menstruation, and add one year and seven days to the date thus reached. It should never be forgotten that an exact reckoning of the date of confinement is impossible, errors of one or two weeks being sometimes made.

THERMOMETRIC SCALES.

To convert Degrees of the Centigrade Scale into those of Fahrenheit: Multiply the number of the former by 9 and divide by 5; if the temperature was above the freezing-point (0°), add 32° ; if it was below the freezing-point, subtract the result from 32° .

To convert Degrees of the Fahrenheit Scale into those of Centigrade: If the temperature be above the freezing-point (32°), subtract 32 ; if it be below the freezing-point, subtract the number from 32 ; then multiply the remainder by 5 and divide by 9.

In taking temperatures, the thermometer should always be used in the same situation (axilla, mouth, etc.), and left in for the same length of time (from five to seven minutes). It is important also, in keeping a record or making a report, to state the situation of the thermometer.

ORDINARY WEIGHTS AND MEASURES.

Troy, or Apothecaries', Weight.

20 grains (gr.)	= 1 scruple (ʒ)	= 20 grains.
3 scruples	= 1 drachm (ʒ)	= 60 "
8 drachms	= 1 ounce (℥)	= 480 "
12 ounces	= 1 pound (lb)	= 5760 "

Wine, or Apothecaries', Measure.

60 minims (℥)	= 1 fluidrachm.
8 fluidrachms (fldr.)	= 1 fluidounce.
16 fluidounces (floz.)	= 1 pint.
2 pints (O)	= 1 quart.
4 quarts	= 1 gallon (Cong.) = 231 cubic inches.

Linear Measure.

12 lines = 1 inch.

THE METRIC SYSTEM.

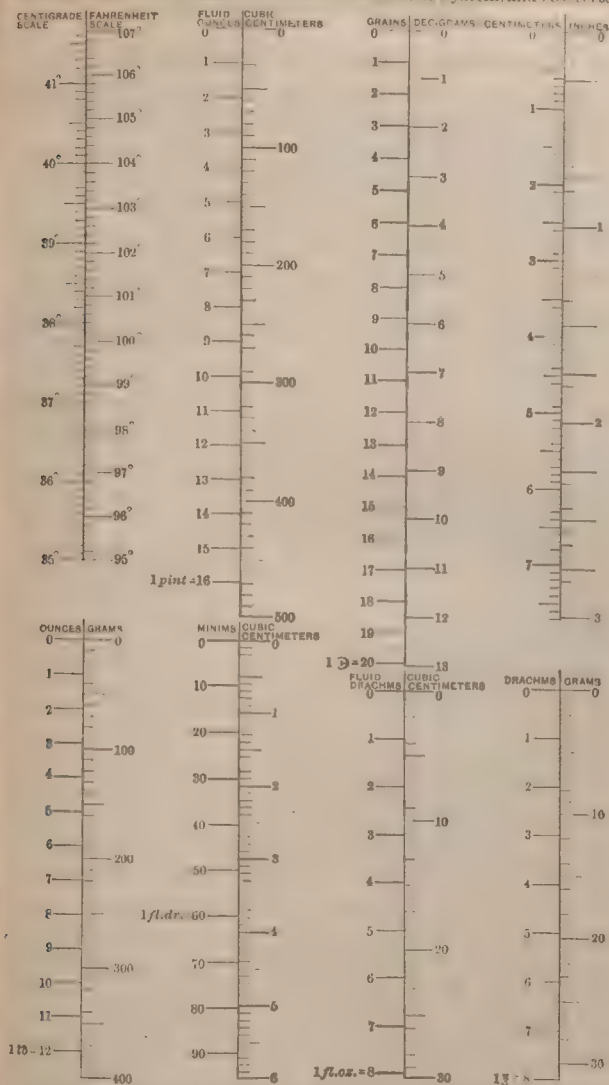
THIS system gets its name from the meter, which is the unit of linear measure. It is equal to 39.370432 inches, or a little over three and one quarter feet.

The gram is the unit of weight, and is equal to 15.432 grains (Troy).

The liter is the unit of solid or fluid measure, and is equal to 1.056 quarts.

The names of the higher weights and measures are formed by prefixing to the name of the unit the Greek terms deka, hecto, kilo, and myria. The names of the fractional weights and measures are formed by prefixing to the name of the unit the Latin terms deci, centi, milli.

COMPARATIVE SCALES, showing at a glance the exact equivalent of ordinary weights and measures in those of the Metric System, and vice versa.



The equivalents of fractions, whether large or small, may be found with great nicety by these scales. For instance, $\frac{1}{2}$ grain = $\frac{1}{2}$ of the metric equivalent of 7 grains, and 1-200 grain = $\frac{1}{200}$ of the metric equivalent of 20 grains. This method is, of course, reversible.

EXAMINATION OF THE URINE.

No clinical investigation is complete without careful and repeated examination of the urine, microscopically as well as chemically. The most important matters to be considered are—

1. Quantity passed in a given time.
2. Appearance (color, transparency, turbidity, etc.).
3. Odor.
4. Reaction (acid or alkaline).
5. Specific gravity.
6. Proportion of urates.
7. Proportion of phosphates.
8. Absence or presence of albumin, and quantity if present.
9. Absence or presence of sugar, and quantity if present.
10. Character of the sediment microscopically.

For ordinary examinations a sample of the first urine passed in the morning is best. It is sometimes necessary to examine in addition a sample specimen taken from the entire quantity passed during twenty-four hours. At other times it is important to examine that passed at stated periods after meals.

1. *Quantity.* Instruct the patient to throw away the urine passed at a noted hour, and to collect in one vessel all passed subsequently for twenty-four hours up to the same hour of the following day. This quantity is to be accurately measured. The normal quantity is from 40 to 50 fluidounces. Variations occur within normal limits from excessive or insufficient drinking of water, loss by perspiration, etc. Persistent excess (polyuria) or diminution (oliguria) is pathological. The quantity is increased in diabetes insipidus and diabetes mellitus, in chronic nephritis, and, temporarily, in emotional states, including hysteria. The quantity is diminished in acute nephritis, in the last stages of chronic nephritis, in lithemia, in renal insufficiency, in conditions characterized by feebleness of the heart, in Asiatic cholera, in yellow fever, in acute intestinal obstruction, and in febrile conditions generally.

2. *Appearance.*—Normal urine is of an amber color and transparent. The color of the urine varies with its concentration, and may be altered by drugs. Rhubarb imparts a gamboge-yellow color to acid urine, a violet-red color to alkaline urine. Senna imparts a brownish, logwood a reddish, carbolie and gallic acids each a blackish tinge. Of the more important pathological changes, smokiness or redness is usually due to blood; a greenish-yellow or brownish tint usually indicates bile; a milky appearance is caused by that rare condition, chyluria. Urates and uric acid sometimes impart a bright orange-red tint that may be mistaken for blood. When blood is present, the corpuscles will be seen under the microscope, but there is a condition (*hemoglobinuria*) in which the coloring matter of the blood, but not the corpuscles, passes into the urine. A special test is here necessary.

Normal urine may become turbid on standing. Nearly always a slight cloud of mucus will form, and urates may deposit on cooling, even when not in excess, if the urine is somewhat concentrated. Urine turbid when passed is pathological. Pus and mucus cause turbidity, the nature of which may be distinguished by microscopic examination. Chemically, pus may be detected by the addition of hydrogen dioxide, which causes effervescence from liberation of oxygen, or by allowing it to settle and adding liquor potassie after pouring off the supernatant urine, when the pus becomes a ropy, viscid mass, easily recognized by its behavior upon attempting to pour it from the test-tube. Turbidity in an acid urine that

clears up on heating is due to urates. Turbidity, increased or unaffected by heat and cleared up by the addition of nitric acid, is caused by phosphates. Very pale, transparent urine, of high specific gravity, usually contains sugar; if of low specific gravity, and there is polyuria, it may be free from abnormal constituent or may contain sugar and likewise albumin.

3. *Odor*.—Urine has a typical odor, sometimes described as aromatic. If alkaline fermentation take place, the urine becomes ammoniacal. The ingestion of turpentine imparts an odor of violets. The urine of diabetes mellitus sometimes has a sweetish odor. The presence of acetone yields an odor resembling that of chloroform.

4. *Reaction* is to be ascertained soon after the passage of the urine by means of slips of litmus paper, of which the blue is reddened if the secretion is acid, and the red is made blue if the secretion is alkaline; or by turmeric-paper, which is made brown if the secretion is alkaline. The total twenty-four hours' urine of a healthy person is acid. The urine may be alkaline a few hours after a meal, especially if large quantities of alkali have been taken, in cases in which the stomach has been washed out, and in cases of obstinate vomiting. Ammoniacal fermentation will give an alkaline reaction to urine.

5. *Specific Gravity*. This is ascertained by means of a special form of hydrometer called a urinometer. Normal specific gravity is about 1018 or 1020. Increased specific gravity (1025 or more) indicates excess of solid matters; if the quantity is scanty, usually these are urates or phosphates, or both; but if the quantity is excessive sugar is usually present. If the specific gravity is low (1010 or less), albumin may be suspected.

6. *Urates and Uric Acid*.—In addition to the high specific gravity and turbidity clearing on heat, as already mentioned, urates and uric acid may be detected by examination of the sediment under the microscope. When urates and uric acid only are present, the urine is usually acid, but urates and phosphates may be present together in a faintly acid, neutral, or alkaline urine. Free uric acid is (practically) always abnormal, and urates in noticeable quantity may usually be considered excessive, but only exact quantitative determination of the entire amount passed in twenty-four hours can make this certain.

7. *Phosphates*.—The proportion of phosphates may be roughly ascertained by adding to some urine in a test-tube half its bulk of a solution of caustic potash (1:8), and gently warming the mixture. If the deposit which forms is deeper than $\frac{1}{4}$ of an inch in a test-tube $\frac{3}{4}$ of an inch in diameter, containing the mixture to a height of 2 inches, the phosphates are in excess. If much less, they are below normal. Turbidity of the urine which is cleared up by the addition of a little acetic acid is to be set down to an excess of phosphates, unless the urine is stale, when it may be due to alkaline decomposition.

8. *Albumin*.—Before testing for albumin or sugar, the urine should be filtered until perfectly clear. If alkaline, it must be acidulated by adding a drop or two of acetic acid. The most delicate of the reliable tests for albumin is to gently heat to the boiling point the upper portion of a test tube about half filled with urine. A resulting cloudiness is due to albumin or phosphates. The addition of a few drops of *acetic acid* will clear up the turbidity due to phosphates, but will not affect that due to albumin.

Heller's test is best performed by putting about 1 inch of nitric acid in a

test-tube, and by means of a pipette allowing a few drops of the filtered urine slowly to trickle down the side of the inclined test-tube, and to lie upon the acid. A more or less white and opaque ring or cloudiness, due to coagulation of the albumin, will form at the junction of the two fluids. The ring may appear at once or develop slowly; hence the test-tube containing the urine and acid should be allowed to stand for about ten minutes before a negative result is recorded.

8. *Sugar*.—The presence of sugar in quantities sufficient to have any pathological significance may be detected by *Boettger's test*, which consists in placing in a test tube about a drachm each of filtered urine and liquor potassæ, and adding a minute quantity of subnitrate of bismuth. If sugar be present, prolonged boiling will cause a precipitate of metallic bismuth, forming a black deposit at the bottom of the test-tube. A grayish precipitate may be caused by substances other than sugar. The result of the bismuth test is to be corroborated by *Trommer's test*. To the urine alkalized with potassium hydroxide is added drop by drop a ten-per-cent. solution of copper sulphate until a slight precipitate persists. The occurrence of a yellowish or reddish precipitate of copper oxide on the application of gentle heat indicates the presence of sugar in quantity more than a trace. The reaction will also take place in from six to twenty-four hours without the application of heat.

To determine the quantity of sugar, *Fehling's solution* is usually employed. 34.64 grams of pure crystallized copper sulphate are dissolved in pure water, and the solution is made up to 500 c.c. 100 c.c. of sodium hydroxide of a sp. gr. of 1.34 and 175 grams of powdered Rochelle salt are dissolved in 400 c.c. of water, and the solution is also made up to 500 c.c. The two solutions are best kept in separate well-stoppered, dark-colored bottles. For use equal parts are mixed as required. Every 10 c.c. of Fehling's solution requires 5 centigrams of glucose to reduce it completely. The test is best made by placing in a porcelain capsule 5 c.c. each of the two solutions, adding sufficient distilled water to make 50 c.c., and boiling. If no change of color should occur, the test may be proceeded with: 1 part of the urine to be tested having been added to 9 parts of distilled water, this diluted urine is now permitted to slowly flow from a burette into the liquid in the capsule, or is added drop by drop until all the blue color has disappeared. The quantity necessary to effect this may be measured in grams (*g*) or drops (*d*). To ascertain the percentage of sugar the following formula may be used:

$$\frac{50}{g} \text{ or } \frac{772}{d} = \text{percentage.}$$

Quantity by the Fermentation Process.—Take specific gravity and record it. Place 8 ounces of urine in a pint bottle, add a piece of compressed yeast about the size of a walnut, insert a perforated cork, and place the bottle in a warm place (86° to 90° F.) for four or five hours or longer. Then allow the urine to cool, and again take sp. gr. Each degree of loss of sp. gr. represents about one grain of sugar to the ounce, or the total number of degrees lost multiplied by 0.23 will give the sugar percentage.

If sugar be found, frequent examinations must be made for

Acetone.—To the urine or a distillate thereof is added tincture of iodine or compound solution of iodine and then sufficient ammonia to form a deep-black precipitate. This disappears gradually in the presence of acetone and is replaced by a yellowish precipitate of iodoform, which is

recognizable by its odor and by appearing microscopically as made up of six-sided tables or stars. After this examination must be made for

Diabetic Acid.—Solution of chloride of iron is slowly added to the urine; the phosphates thus precipitated are removed by filtration; and more iron chloride is added. If a Bordeaux-red color results part of the urine is boiled and part heated with sulphuric acid and extracted with ether. If the boiled urine gives no reaction with the iron solution, or only a slight coloration, while the iron-chlorine reaction with the ethereal extract fades within twenty-four or forty-eight hours, and if acetone is present (see above), we may conclude that the very grave condition of *diaceturia*, a forerunner of diabetic coma, exists.

10 The character of the microscopic sediment is always of great significance. This part of the examination requires special instruction.

IMPORTANT INCOMPATIBLES.

Acacia (gum), with alcohol, iron, lead-water, and mineral acids.

Acids (mineral), with alkalis and relatively weak salts of other acids, such as bromides, chlorides, and iodides.

Alkalis, with acids and with relatively weak salts.

Antipyrin and antifebrin should be given with alcohol or water only.

Arsenic, with tannic acid, salts of iron, and lime and magnesia.

Bitter infusions and tinctures, with salts of iron and lead.

Bromides, with acids, acid salts, or alkalis.

Calomel, with antipyrin, alkalis, lime-water, salts of iron and lead, and iodide of potassium.

Camphor (spirit of), with water.

Carbonates, with acids and acid salts.

Chloral, with cyanides.

Chlorides, with silver salts, lead salts, and alkalis.

Chloroform (except in minute quantity), with water.

Corrosive sublimate, with alkalis, lime-water, salts of iron and lead, iodide of potassium, albumin, gelatine, and vegetable astringents. (It may, however, be advantageously combined with tincture of the chloride of iron and liq. acidi arsenosi, or with iodide of potassium.)

Digitalis, with iron and preparations containing tannic acid.

Iron (salts), with anything containing tannic acid. Tincture of the chloride of iron, with alkalis, carbonates, mucilages, and preparations containing tannic acid.

Mucilages, with acids, iron salts, and alcohol.

Potassium chlorate (and potassium permanganate) should not be rubbed up with tannic acid or other organic oxidizable substance.

Potassium (iodide of), with all strong acids and acid salts. (See Corrosive Sublimate.)

Spirit of nitrous ether, with antipyrin, sulphate of iron, tincture of gualacum, and most carbonates.

Vegetable preparations holding tannic acid, with salts of iron and lead.

Alkaloids are precipitated or destroyed by tannic acid, alkalis, iodine or iodides, and chlorinous compounds.

ARTIFICIAL RESPIRATION (Sylvester's Method).

FREE the body from any clothing that binds the neck, chest, or waist; turn it over upon the face for a moment, thrusting a finger into the mouth and sweeping it round, to bring away anything that may have gotten in or accumulated there. Then lay the body flat on the back, with something a few inches high under the shoulders, so as to cause the neck to be stretched out and the chin to be carried from the chest. Draw the tongue well forward out of the mouth and let it be held by an assistant. (If there be no one to do this, a pencil or small stick may be thrust across the mouth on top of the tongue and back of the last teeth, to keep the mouth open and the tongue out of the throat.) Place yourself on your knees behind the head, seize both arms near the elbows and sweep them round horizontally, away from the body and over the head till they meet above it; give a good, strong pull, and keep it up for a

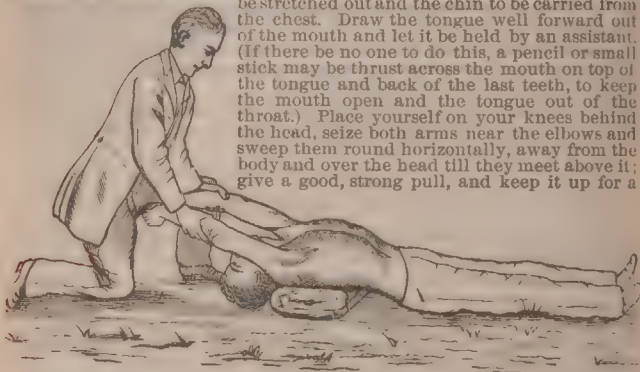


FIG. 1.

few seconds. After this return the arms to their former position along side the chest, and make strong pressure for a few seconds against the lower ribs, so as to drive the air out of the chest and effect an act of expiration. Rhythmic traction of the tongue may also be practised.

This plan, regularly carried out, will make about 16 complete acts of respiration in a minute. It should be kept up for a long time, and not aban-



FIG. 2.

doned until the heart has ceased to beat. It should be remembered that cessation of the pulse at the wrists amounts to nothing as a sign of death; for life may be present when only a most acute ear can detect the sounds of the heart. In a moderately thin person deep pressure with the finger-ends just below the lower end of the breastbone may sometimes reveal pulsation in the aorta when it cannot be found anywhere else.

TABLE OF ERUPTIVE FEVERS.

Disease.	Manner of Invasion.	Characteristics of Eruption.	(Course of Disease.
Scarlatina (Scarlet fever).	Usually sudden; chilliness; high fever; rapid pulse; flushed face; convulsions or coma; sore throat; "strawberry tongue." Incubation: a few hours to a few days.	Appears very early, often on second day. First on neck and chest. May become universal. May be only about joints and very trifling. Bright scarlet; punctate. Followed by desquamation; skin burning hot; sometimes itches.	Progresses steadily and rapidly. Temperature rises to 104°-106°. Defervescence gradual. Coma a dangerous sign. Albumin in urine common, and often true desquamative nephritis. Dur. wk. or body. Usually mild. Disappears gradually. Duration: week or 10 days.
Reihen (German measles).	Usually unsuspected. Slight fever or none; mild catarrhal symptoms; vomiting; slight sore throat; enlargement of cervical lymphatic glands almost always present. Incubation: 2 to 3 wks.	Appears early. Often a first symptom noted, first on face and neck, then on trunk. Rosy papules, scattered or clustered. Fades in one part and appears in another. Lasts about three days.	Usually mild. Vesicles disappear by drying up. May form pus and leave pits. Duration: about a week.
Varicella (Chicken-pox).	Usually unsuspected. Slight fever or none; slight malaise or none. Incubation: about 2 weeks.	Appears early. Usually on chest and shoulders, then on body and limbs and face. Distinct, clear, shot-sized vesicles; sometimes with distinct areola and even umbilicated; appear in successive crops; usually few in number.	Symptoms grow worse as pustules mature. Often severe constitutional disturbance, great restlessness and desire to scratch the eruption. Defervescence gradual and slow. May be interrupted or exacerbated. Crusts fall off, and often leave deep pits (pocks). Duration: about 3 weeks
Varicella (Smallpox).	Usually sudden; chill; high fever; rapid pulse; violent pain in head and back; debility; mucous membranes often involved. Temperature falls with appearance of rash. Incubation: about 12 days.	Appears on third or fourth day: first on face, and spreads over whole body and limbs in a day or two. Fine shot-like papules; then vesicles; then umbilicated pustules, about eighth day developing adherent crusts, well marked areola. Intense itching. Peculiar odor.	Usually mild and regular. Temperature may be high from complications. Lasts about a week. Recovers rapidly. Duration: week or 10 days
Morbilli (Measles).	Generally sudden; chilliness or even convulsions; moderate fever; lachrymation; catarrh of respiratory passages; bronchitis. Temperature rises with appearance of rash. Incubation: 2 wks.	Appears about fourth day: first on face, and spreads to body and limbs. May be limited; usually almost universal. Consists of rosy papules, arranged in parts of circles concentric, appears sometimes in successive crops	

POISONS AND ANTIDOTES.

THE following table contains suggestions for the proper treatment of those forms of poisoning most likely to occur. Though brief, they are all that will be needed to prompt the physician's memory:

POISON.	TREATMENT.
<i>Nature unknown</i>	{ Provoke repeated vomiting; Give bland liquids; Stimulate, if necessary; keep up breathing. Give an alkali (soap, soda, and whitewash usually at hand); limewater; magnesia; Provoke vomiting; avoid stomach-pump; Give ice cream and bland fluids; Secure rest; relieve pain by opium; Stimulate, if necessary; Feed by enema. Stomach-pump or emetic; Stimulate; potassium permanganate; Give dilute ammonia-water—by intravenous injection, if necessary; chlorine-water; Cold affusions; Give atropine, gr. $\frac{1}{2}$, hypodermatically.
<i>Acids—</i> <i>Sulphuric,</i> <i>Nitric,</i> <i>Hydrochloric,</i> <i>Oxalic,</i> }	Give Epsom salts, dilute sulphuric acid, glycerin, and oil; atropine, hypodermatically; Stomach-pump or emetics; White of egg; amyl nitrite; Stimulate; artificial heat.
<i>Hydrocyanic Acid</i> and <i>Potassium Cyanide</i>	Give vinegar, lemon-juice, or orange-juice, or other acid or a fixed oil; Give bland liquids; Secure rest; relieve pain by opium; Stimulate, if necessary.
<i>Carbolic Acid</i> and <i>Creosote</i>	Stomach-pump or emetics; Give hydrated oxide of iron or dialyzed iron and magnesia; Give dose of castor oil; Secure rest; Stimulate, if necessary.
<i>Alkalies—</i> <i>Ammonia,</i> <i>Soda,</i> <i>Potash,</i> <i>Lye,</i> }	Stomach-pump or emetics; Give Epsom salts or dilute sulphuric acid; Milk, raw eggs, and water; Morphine hypodermatically for pain; Potassium iodide to eliminate the drug.
<i>Arsenic</i> <i>Paris green,</i> <i>Scheele's green,</i> <i>Fowler's solution,</i> }	Emetics; careful lavage; Give some infusion containing tannic acid; Give raw eggs and milk; bland liquids; Give dose of castor oil; Stimulate, if necessary.
<i>Acetate of Lead</i>	Give albumin (milk, raw eggs); Stomach-pump or emetics; Give bland fluids.
<i>Mercury,</i> <i>Corrosive sublimate,</i> <i>Antimony,</i> <i>Tartar Emetic,</i> }	Provoke vomiting by repeated five-grain doses of sulphate of copper; Potassium permanganate ($\frac{1}{2}$ — $\frac{1}{4}$ per cent.); Give dose of magnesia, but no oil.
<i>Copper Salts</i>	Give strong salt and water; } repeat many times. Provoke vomiting;
<i>Phosphorus</i>	Stomach-pump or emetics; Give starch and water; Give bland fluids.
<i>Nitrate of Silver</i> <i>(lunar caustic),</i> }	
<i>Iodine</i>	

POISON.	TREATMENT.
Opium— Morphine, Laudanum, Paregoric, etc.,	{ Stomach-pump; emetic; potassium permanganate, by mouth or hypodermatically; ammonia; hot strong coffee by the bowel; atropine hypodermatically; oxygen inhalations, artificial respiration; lingual traction.
Chloral— Paraldehyde,	{ Stomach pump or emetic; artificial heat; massage; stimulate; strychnine; amyl nitrite; artificial respiration.
Nux Vomica— Strychnine, Picrotoxin,	{ Stomach pump or emetic; animal charcoal or tannic acid; bromide and chloral; amyl nitrite; chloroform or ether; curare; artificial respiration.
Aconite— Veratrum viride,	{ Stomach-pump or emetic; stimulate; heat; atropine; artificial respiration.
Hemlock, Toadstool, Tobacco, etc., etc.,	{ Provoke vomiting and give a purge; tannic or gallic acid; Stimulate well; keep up breathing.
Belladonna or Atropine, Hyoscyamus or Hyoscyamine, Duboisia or Duboisine, Stramonium or Daturine,	{ Stomach pump or emetic; stimulate; Enema hot strong coffee; artificial heat; morphine; pilocarpine; physostigmine; artificial respiration.
Alcohol	{ Stomach-pump or emetic; Give ammonia and water.
Decayed Meat or Vegetables	{ Provoke vomiting; wash out stomach; Give a purgative; give an enema; Give powdered charcoal and hydrogen dioxide.
Poisonous Gases— Carbonic acid or oxide, Sulphuretted hydrogen,	{ Fresh air; oxygen; Artificial respiration; Amyl nitrite or nitro-glycerin; Stimulation.

To provoke vomiting. warm water may be used, with or without ground mustard (3ss to a pint of water, or ipecac (5i of the powder or fss of the syrup), or a finger may be thrust down the throat. It is best to give large quantities of pint at a time) of warm water whenever vomiting is to be excited. The stomach-pump or simple siphon-tube, if accessible, is better. Apomorphine (gr. $\frac{1}{2}$ gr. $\frac{1}{4}$) subcutaneously is a reliable emetic.

Bland Liquids are milk, raw eggs, some sort of oil, mucilage, barley-water, gruel, etc.

Stimulants are tea, coffee, whiskey, wine, etc., or ammonia and water. Of this last a teaspoonful in a teacupful of water will be enough for a dose. In making tea or coffee one must not wait to do it as if for the table, but mix hot water and the leaves or grounds, squeeze them well, stir together, and give the whole—leaves, grounds, everything.

Alkaline antidotes which are most likely to be at hand are ammonia and water (a tablespoonful in two teacupfuls of water), soap and water, lime, whiting, soda, chalk, tooth-powder, plaster, magnesia, white-wash, and even wood-ashes.

Acid antidotes most commonly accessible are vinegar and lemon-juice.

In giving an antidote it is well to remember that it is not always necessary to wait for it to dissolve, but that it may be stirred up in any fluid at hand (except oil), and swallowed immediately.

Antagonists are drugs which physiologically oppose the poison, as atropine to opium, chloral to strychnine, pilocarpine to atropine.

TABLE OF DOSES

OF REMEDIES MOST FREQUENTLY ADMINISTERED.

For hypodermatic use the dose should be half that used by the mouth.

For use by rectum the dose should be twice that used by the mouth.

Doses for Children.—Dr. Young's rule: Add 12 to the age, and divide by the age to give the denominator of a fraction, the numerator of which is 1.

Example: For a child two years old, $\frac{12+2}{2} = \frac{1}{3}$; the dose should be $\frac{1}{3}$ that for an adult. In giving powerful medicines and opium still smaller doses must be used for children.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Acetanilid (antifebrin)	2—15	0.1 — 1.
Acetopyrin	5—15	0.3 — 1.
Acid. arsenos	$\frac{1}{4}$ — $\frac{1}{2}$	0.001 — 0.003
benzoic	5—10	0.3 — 1.
boric	5—10	0.3 — 0.65
camphoric. (to check night-sweats)	15—30	1. — 2.
carbolic	$\frac{1}{4}$ — $\frac{1}{2}$	0.03 — 0.1
gallic	3—60	0.2 — 4.
hydriodic dil.	10—60	0.65 — 4.
hydrobrom. dil.	10—60	0.65 — 4.
hydrochlor. dil.	5—20	0.3 — 1.3
hydrocyan. dil.	2—6	0.1 — 0.35
nitric. dil.	5—20	0.3 — 1.3
nitro-hydrochlor. dil.	5—20	0.3 — 1.3
phosphoric. dil.	5—30	0.3 — 2.
salicilic	5—20	0.3 — 1.3
sulphuric. dil.	5—30	0.3 — 2.
sulphuric. arom.	5—15	0.3 — 1.
tannic	2—10	0.1 — 0.65
Aconitina (white crystals)	$\frac{1}{100}$ — $\frac{2}{100}$	0.0002 — 0.0003
Adonidin (heart-tonic)	$\frac{1}{10}$ — $\frac{1}{2}$	0.006 — 0.02
Adrenal gland	1—5	0.06 — 0.3
Adrenalin (vaso-constrictor) locally		1:10,000 to 1:1,000
Agaricin (to check night-sweats)	$\frac{1}{4}$ — $\frac{1}{2}$	0.008 — 0.015
Agathin (analgesic)	8—15	0.5 — 1.
Aloinum	$\frac{1}{4}$ — 3	0.008 — 0.2
Aluminum chlorid.	2—10	0.1 — 0.65
Ammonii benzoas	10—20	0.65 — 1.3
bromid.	5—30	0.3 — 2.
carb.	3—10	0.2 — 0.65
chlorid.	10—30	0.65 — 2.
iodid. <i>vel</i> valer.	2—15	0.1 — 1.
Amyl nitris (inhaled or internally)	2—5	0.1 — 0.35
Amylene hydrate (hypnotic)	10—60	0.6 — 4.
Analgen (analgesic, antipyretic)	8—30	0.5 — 2.
Antimon. et pot. tart.; diaph.	$\frac{1}{20}$ — $\frac{1}{10}$	0.003 — 0.006
et pot. tart.; emetic	1—2	0.06 — 0.13
Antipyrin	2 15	0.1 — 1.
Apioi	5—10	0.3 — 0.65
Apomorph. hydrochlor.	$\frac{1}{20}$ — $\frac{1}{10}$	0.003 — 0.006
Argenti nitras	$\frac{1}{4}$ — $\frac{1}{2}$	0.01 — 0.03
oxidum	$\frac{1}{4}$ — 2	0.032 — 0.13
Argentol	2—15	0.13 — 1.
Arsenii bromid.	$\frac{1}{20}$ — $\frac{1}{10}$	0.001 — 0.004
iodidum	$\frac{1}{20}$ — $\frac{1}{10}$	0.001 — 0.006

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Asaprol (locally, 2%), internally	5 — 20	0.3 — 1.3
Aspirin	15 — 30	1. — 2.
Atropinæ sulphas	15 — 30	0.0005 — 0.002
Auri et sodii chlorid.	32 — 5	0.002 — 0.008
Barit chlorid.	2 — 10	0.012 — 0.3
Benzacetin (anti-neuralgic)	10 — 20	0.65 — 1.
Benzonaphthol	2 — 10	0.13 — 0.65
Beta-naphthol.	2 — 5	0.13 — 0.32
Bismuthi salicylas <i>vel</i> subgallas	5 — 20	0.3 — 1.3
subcarbonas <i>vel</i> subnitras	5 — 60	0.3 — 4.
Bromoformum (in whooping-cough, etc.) .	5 — 10	0.3 — 0.65
Butyl-chloral hydrate	5 — 10	0.32 — 0.65
Caffeina	1 — 5	0.06 — 0.3
Calcii chlorid. hydrat.	5 — 20	0.3 — 1.3
Camph. monobrom.	2 — 5	0.1 — 0.3
Cerri oxalas	1 — 10	0.06 — 0.6
Chloral	3 — 20	0.2 — 1.3
Chloralamidum (hypnotic)	15 — 60	1. — 4.
Chloralose (hypnotic, sedative)	3 — 15	0.2 — 1.
Chloretone	15 — 15	1. — 3.
Chloroformum	1 — 30	0.06 — 2.
Cinchonidina, and its salts	5 — 30	0.3 — 2.
Citrophen	5 — 15	0.3 — 1.
Cocaina (locally, 1 to 4 % sol.), internally	15 — 1	0.004 — 0.007
Codeina	15 — 2	0.004 — 0.013
Colechin	150 — 1	0.0006 — 0.0013
Conina, and its salts	150 — 1	0.0006 — 0.01
Copaiba	15 — 60	1. — 1
Creosotum	1 — 20	0.032 — 1.3
Creosote valerianate <i>vel</i> carbonate . . .	3 — 30	0.19 — 2
Creolin (locally, 1 to 2 % sol.), internally	1 — 5	0.03 — 0.3
Croton chloral	1 — 5	0.06 — 0.3
Cupri acetas	1 — 1	0.008 — 0.03
arsenis	150 — 1	0.0006
sulphas	15 — 1	0.004 — 0.015
Digitalinum	15 — 1	0.005 — 0.03
Digitalis	1 — 2	0.008 — 0.13
Dionin	1 — 1	0.015 — 0.06
Dormiol	1 — 15	0.3 — 1.
Duboisina, and salts	15 — 1	0.0005 — 0.001
Elaterinum	15 — 1	0.001 — 0.005
Elaterium	15 — 1	0.004 — 0.016
Ergota	15 — 60	1. — 4.
Ergotinum	2 — 8	0.13 — 0.5
Eserina, and its salts	15 — 20	0.001 — 0.003
Ethyl iodidum (inhalation)	15 — 20	0.3 — 1.3
Eupyrin	5 — 15	0.3 — 1.
Europhen	1 — 2	0.016 — 0.13
Exalgin (analgesic; give with alcohol)	2 — 6	0.15 — 0.4
Extractum aconiti	15 — 1	0.005 — 0.015
aconiti fluid.	1 — 1	0.03 — 0.06
bellad. alcohol	1 — 1	0.01 — 0.03
bellad. fl.	1 — 3	0.06 — 0.02
buchu fl.	30 — 60	2. — 1.
cactus grandiflor. fl.	5 — 10	0.31 — 0.62
calumbæ fl.	15 — 30	1. — 2.
cannab. ind. (with caution)	15 — 1	0.004 — 0.03
cannab. ind. fl. (with caution)	1 — 1	0.03 — 0.06
cascara sagrad. fl.	10 — 30	0.6 — 2.
cimicifugæ fl.	5 — 30	0.3 — 2.
colchici fl.	2 — 8	0.12 — 0.5
colocyntidis comp.	5 — 15	0.3 — 1.
coni fl.	1 — 10	0.06 — 0.6
convallariæ fl.	5 — 30	0.3 — 2.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Extractum digitalis	1 — 1	0.008 — 0.06
digitalis fl.	1 — 6	0.06 — 0.4
ergotæ	1 — 15	0.03 — 1.
ergotæ fl.	15 — 60	1. — 4.
erythroxylî fl. (coca)	15 — 120	1. — 8.
eucalypti fl.	5 — 30	0.03 — 2.
euphorbiæ pilulifera	30 — 60	2. — 4.
gelsemii fl.	2 — 5	0.13 — 0.3
gossypii fl.	15 — 60	1. — 4.
grindeliæ rob. fl.	10 — 60	0.6 — 4.
guaranæ fl.	30 — 120	2. — 4.
hæmatoxyli	10 — 30	0.6 — 2.
hydrastis fl.	10 — 120	0.6 — 2.
hyoscyami alcohol.	1 — 2	0.03 — 0.13
hyoscyami fl.	2 — 8	0.1 — 0.5
ignatiæ	1 — 1	0.008 — 0.03
iris fl.	1 — 10	0.3 — 0.65
jalapæ	5 — 10	0.3 — 0.65
kava-kavæ fl.	15 — 60	1. — 4.
leptandriæ fl.	20 — 30	1.3 — 2.
lobeliæ fl.	1 — 5	0.06 — 0.3
matico fl.	30 — 60	2. — 4.
nucis vomicæ	1 — 1	0.008 — 0.03
nucis vomicæ fl.	1 — 5	0.06 — 0.3
opii	1 — 1	0.008 — 0.06
physostigmatis	1 — 1	0.004 — 0.01
pilocarpi fl.	5 — 30	0.3 — 2.
podophylli	1 — 3	0.03 — 0.2
prun. virg. fl.	30 — 60	2. — 4.
pulsatillæ fl.	2 — 5	0.1 — 0.3
quebracho fl. (aspidosperma)	20 — 60	1.3 — 4.
rhei fl.	5 — 30	0.3 — 2.
scillæ fl.	2 — 3	0.1 — 0.2
scoparii fl.	15 — 60	1. — 4.
senegæ fl.	1 — 5	0.06 — 0.3
sennæ fl.	60 — 240	4. — 16.
serpent. fl.	20 — 30	1.3 — 2.
spigeliæ fl.	10 — 60	0.6 — 1.
stillingiæ fl.	15 — 45	1. — 3.
stramonii	1 — 1	0.015 — 0.03
syzygii jambolini fl.	1 — 10	0.3 — 0.7
taraxaci	5 — 60	0.3 — 4.
uvæ ursi fl.	30 — 60	2. — 4.
valer. fl.	30 — 60	2. — 4.
veratr. vir. fl.	2 — 8	0.1 — 0.5
viburni prunifolii fl.	30 — 60	2. — 4.
xanthoxyli fl.	15 — 60	1. — 4.
Fel bovis purif.	5 — 10	0.3 — 0.65
Ferri arsen.	1 — 1	0.003 — 0.01
bromid.	1 — 5	0.06 — 0.3
carb. sacch.	2 — 15	0.1 — 1.
hypophosphis	5 — 10	0.3 — 0.65
iodidum sacch.	2 — 5	0.13 — 0.33
lactas	1 — 3	0.06 — 0.2
oxid. hydrat. cum. magnes. } (antidote to arsenic), { frequently }	{ f 3 1 — f 5 1 }	16. — 32.
pyrophosphas	1 — 5	0.06 — 0.3
sulphas	1 — 3	0.06 — 0.2
sulphas exsiccât.	1 — 2½	0.03 — 0.15
valer.	1 — 3	0.06 — 0.2
Ferrum dialys.	1 — 15	0.06 — 1.
reduct.	1 — 5	0.06 — 0.3
Gallobromol.	7½	0.5
Guaiacol (internally)	1 — 5	0.015 — 0.3
(topically)	10 — 60	1.3 — 4.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Guaiacol carbonas <i>vel</i> benzons valerianate	$\frac{1}{2}$ 10	0.02 — 0.6
Heroin	2 50	0.12 — 1.3
Homatropinæ hydrobrom.	$\frac{1}{2}$ 1	0.005 — 0.02
Hydrarg. chlor. corros.	$\frac{1}{2}$ 1	0.01 — 0.15
chlor. mite	$\frac{1}{2}$ 10	0.001 — 0.006
iodid. rubr.	$\frac{1}{2}$ 10	0.004 — 0.65
iodid. flav.	$\frac{1}{2}$ 1	0.0013 — 0.006
subsulphas flav., as emetic	2 5	0.01 — 0.06
c. creta	3 8	0.12 — 0.5
Hydrastin.	3 5	0.2 — 0.5
Hydrastinin hydrochlorate	3 5	0.2 — 0.3
Hydrogeni dioxid. (10 vol. sol.)	$\frac{1}{2}$ 1	0.005 — 0.01
Hyoscine hydrobrom.	30—120	2. — 8
Hyoscyamine sulph.	$\frac{1}{2}$ 1	0.0003 — 0.0009
Ichthalbin	$\frac{1}{2}$ 1	0.0003 — 0.001
Ichthylol (locally, 10 to 50 %), internally	2 60	0.13 — 0.5
Inusum digitalis	3 5	0.2 — 0.3
Iodoformum	15 1 15 1	1. — 16.
Iodol	1 5	0.06 — 0.3
Iodum	1 5	0.01 — 0.03
Ipecacuanha { expect.	1 5	0.006 — 0.015
{ emet.	1 5	0.01 — 0.06
Jalapa	15 30	1. — 2.
Kryofin	15 30	1. — 2.
Lactophenin (antipyretic)	10 30	0.65 — 1.
Liq. ammon. acet.	8 15	0.5 — 1.
arsen. et hydr. iod., { <i>To be in-</i>	f32 f58	8. — 32.
potassii arsenit., { <i>creased</i>	1— 5	0.06 — 1.
sodii arsenatis, { <i>cautiously.</i>	2 — 10	0.15 — 0.65
ferri chloridi	10 — 30	0.65 — 2.
ferri dialys.	f32 f54	8. — 16.
potassii citrat.	5 20	0.3 — 1.3
Lithii benzoas <i>vel</i> bromid. <i>vel</i> salicylas	2 10	0.13 — 0.65
carb. <i>vel</i> citras	15— 60	1. — 4.
Magnesi carb.	3 2 3 8	8. — 32.
citr. gran.	15 20	1. — 1.3
Malakin (analgesic, antipyretic)	1 5	0.06 — 0.3
Manganl oxld. nigr.	5 30	0.3 — 2.
Massa copaibæ	5 15	0.3 — 1.
ferri carb.	1— 15	10.06 — 1.
hydrarg.	1 5	0.06 — 0.3
Methylene blue with powdered nut- } meg (malarial fevers), }	f34 f58	6. — 32.
Mist. asafetidæ	f31 f58	4. — 32.
chloroforml	f31 f31	4. — 32.
ferri et amm. acet.	f51—f54	4. — 32.
glycyrrhizæ comp.	f51 f54	4. — 32.
magnes. et asafet.	f34—f54	16. — 32.
rhei et sodæ	$\frac{1}{2}$ 1	0.004 — 0.03
Morphina, and its salts	15 60	0.15 — 1.
Morrhual (derivative of cod-liver oil)	2 15	0.13 — 1.
M. schus	5— 15	0.3 — 1.
Myrtol	5— 20	0.3 — 1.3
Naphthalin	1 5	0.01 — 0.3
Narceina	1 5	0.06 increased
Nitro-glycerinum (<i>Trinitrin</i> , <i>sp.s. Glo-</i> <i>noin</i>), 1 % solution (<i>gtt 1 in 1</i>)	15— 60	1.0 — 4.0
Oleoresina aspidii (<i>filix mas</i>)	1— 1	0.01 — 0.03
capsici	5— 20	0.3 — 1.3
cubebæ	8— 15	0.5 — 1.
Oleum copaibæ	5 15	0.3 — 1.
erigerontis	5— 10	0.3 — 0.6
eucalypti	3— 10	0.2 — 0.65
gaultheriæ		

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
<i>Oleum phosphoratum</i>	1 — 3	0.06 — 0.2
<i>santali</i>	10 — 30	0.7 — 2.
<i>terebinthina</i>	2 — 30	0.12 — 2.
<i>tiglli</i>	gtt. 1 — 2	0.03 — 0.12
<i>Opium</i> (14% morphine)	$\frac{1}{8}$ — 2	0.008 — 0.12
<i>Palladium chlorid.</i>	$\frac{1}{8}$ — 1	0.01 — 0.02
<i>Pancreatin</i>	10 — 20	0.7 — 1.3
<i>Paraldehyde</i>	20 — 60	1.3 — 4.
<i>Peronin</i>	$\frac{1}{6}$ — 3	0.01 — 0.04
<i>Phenacetin</i>	$\frac{1}{2}$ — 6	0.1 — 0.4
<i>Phenocoll hydrochloride</i>	8 — 15	0.5 — 1.
<i>Phosphorus</i>	$\frac{1}{12}$ — $\frac{1}{6}$	0.0005 — 0.0013
<i>Physostigminæ sulphas</i>	$\frac{1}{12}$ — $\frac{1}{6}$	0.0005 — 0.0011
<i>Picrotoxinum</i>	$\frac{1}{6}$ — $\frac{1}{3}$	0.0011 — 0.004
<i>Pilocarpina, and salts</i>	$\frac{1}{6}$ — $\frac{1}{3}$	0.001 — 0.03
<i>Piperazin</i>	15 (daily).	1 (daily).
<i>Plumbi acetat</i>	$\frac{1}{2}$ — 3	0.03 — 0.2
<i>Potassii acetat vel bicarbonas</i>	15 — 60	1. — 4.
<i>bichromas</i>	$\frac{1}{16}$ — $\frac{1}{8}$	0.004 — 0.01
<i>bitartras vel bromidum</i>	8 — 60	0.5 — 4.
<i>chloras</i>	5 — 20	0.3 — 1.3
<i>cyanidum</i>	$\frac{1}{32}$ — $\frac{1}{16}$	0.003 — 0.008
<i>iodidum</i>	5 — 60	0.3 — 4.
<i>nitras</i>	2 — 15	0.13 — 1.
<i>permanganas</i>	$\frac{1}{4}$ — 5	0.03 — 0.32
<i>Protargol</i>	1 — 3	0.06 — 0.2
<i>Puly. glycyrrhizæ comp.</i>	30 — 60	2. — 4.
<i>ipecac. et opil.</i>	5 — 15	0.3 — 1.
<i>jalapæ comp.</i>	10 — 60	0.6 — 4.
<i>morphinæ comp.</i>	5 — 15	0.3 — 1.
<i>rhei comp.</i>	5 — 60	0.3 — 4.
<i>Pyramidon</i>	5 — 15	0.3 — 1.
<i>Resina copaibæ</i>	2 — 10	0.13 — 0.65
<i>euonymi</i>	2 — 5	0.13 — 0.3
<i>gualaci</i>	5 — 20	0.3 — 1.3
<i>jalapæ</i>	2 — 5	0.13 — 0.3
<i>podophylli</i>	$\frac{1}{2}$ — 3	0.005 — 0.03
<i>scammonii</i>	2 — 10	0.13 — 0.65
<i>Resorcin</i>	2 — 5	0.1 — 0.3
<i>Rheum</i>	2 — 30	0.13 — 2.
<i>Saccharin</i> (substitute for sugar)	$\frac{1}{2}$ — 5	0.03 — 0.3
<i>Salacetol</i> (intestinal antiseptic)	20 — 40	1.3 — 2.6
<i>Salipyrin</i> (antipyretic, antineuralgic)	8 — 15	0.5 — 1.
<i>Salol</i>	2 — 10	0.15 — 0.6
<i>Salophen</i> (antipyretic, antirheumatic)	15 — 20	0.3 — 1.5
<i>Santoninum</i>	$\frac{1}{4}$ — 5	0.015 — 0.3
<i>Scopolaminæ hydrochlor.</i>	$\frac{1}{4}$ — $\frac{1}{2}$	0.0027 — 0.011
<i>Sidonal</i>	5 — 15	0.3 — 1.
<i>Sodii arsenas</i>	$\frac{1}{4}$ — $\frac{1}{2}$	0.001 — 0.006
<i>benzoas</i>	5 — 15	0.3 — 1.
<i>boras vel bromidum</i>	5 — 30	0.3 — 2.
<i>hyposulphis</i>	5 — 20	0.3 — 1.3
<i>iodidum</i>	2 — 30	0.13 — 2.
<i>nitris</i>	1 — 5	0.065 — 0.037
<i>phosphas</i>	2 — 20	0.13 — 8.
<i>salicylas</i>	5 — 30	0.3 — 2.
<i>Sodium cacodylate</i>	$\frac{1}{8}$ — 1	0.01 — 0.06
<i>tellurate</i>	3 — 6	0.2 — 0.4
<i>Somnal</i>	30 — 45	2. — 3.
<i>Sparteina sulph.</i> (cardiant and diuretic)	$\frac{1}{8}$ — 1	0.001 — 0.25
<i>Spiritus ætheris nitrosi</i>	15 — 120	1. — 8.
<i>æther. comp.</i>	15 — 120	1. — 8.
<i>ammonia arom.</i>	15 — 60	1. — 4.
<i>camphoræ</i>	5 — 30	0.3 — 2.
<i>chloroformi</i>	15 — 60	1. — 4.

REMEDIES.	Grains or Minims.	Grams or Cubic Centimeters.
Strontii lactas <i>vel</i> bromidum <i>vel</i> iodidum <i>vel</i> salicylas	5-30	0.3 - 2.
Strychnina, and salts	5-15	0.001 - 0.005
Styptein	1-4	0.06 - 0.25
Sulphonal (best in hot mint-water)	5-20	0.3 - 1.3
Sulphur	5-15	2. - 15
Syr. ferri iodidi	5-30	0.03 - 2.
scillæ comp.	5-30	0.03 - 2.
Tannalbin, Tannigen, Tannoform	5-15	0.32 - 1.
Terpene	5-15	0.3 - 1.
Terpin hydrate (tonic expectorant)	2-5	0.13 - 0.3
Tetronal hypnotic	15-60	1. - 1.
Theobromina et sodii salicylas (diuretic)	5-30	0.3 - 2.
Thiocol	5-15	0.3 - 1.
Thymacetin (analgesic, hypnotic)	5-15	0.3 - 1.
Thymol	1-5	0.06 - 0.3
Thyroid gland	1-5	0.06 - 0.3
Tinct. aconiti	1-5	0.03 - 0.3
aloes	15-60	1. - 4.
asafetida	30-60	2. - 4.
belladonna	2-15	0.1 - 1.
cannabis ind.	5-20	0.3 - 1.3
capsici	8-15	0.5 - 1.
cinicifugæ	30-60	2. - 4.
cinchonæ comp.	15-120	1. - 8.
colechici [sem.]	5-20	0.3 - 1.3
digitalis	3-15	0.2 - 1.
ferri chloridi	10-30	0.6 - 2.
gelsemii	2-15	0.1 - 1.
gualiaci ammon.	30-60	2. - 4.
hydrastis	30-120	2. - 8.
hyoscyami	5-30	0.3 - 2.
ignatiæ	5-30	0.3 - 2.
iodi comp.	7-15	0.06 - 1.
kino	15-120	0.1 - 8.
lobellæ	5-30	0.3 - 2.
moschi	15-60	1. - 4.
nucis vomicæ	5-15	0.3 - 1.
opii	2-15	0.1 - 1.
opii camph.	5-20	0.3 - 16.
physostigmatis	5-15	0.3 - 1.
stramon.	5-15	0.3 - 1.
strophanthi (cardiac and diuretic)	2-10	0.1 - 0.65
valer. ammon.	10-120	0.6 - 8.
veratr. vir.	3-10	0.2 - 0.6
Tolypyrin (antipyretic, antirheumatic)	5-20	0.3 - 1.5
Tolysal (antipyretic, antirheumatic)	5-20	0.3 - 1.5
Trional (hypnotic)	15-60	1. - 4.
Uranium nitrate	5-10	0.1 - 0.6
Urethane (hypnotic)	5-10	0.3 - 2.
Urotropin	3-10	0.2 - 0.65
Vin. antim. {expectorant and alternative	1-8	0.06 - 0.5
emet.	30-75	2. - 5.
colechici	5-15	0.3 - 1.
ergotæ	f5 1-f5 3	4. - 12
ipecac. {expect.	5-15	0.3 - 1.
emet.	f3 2-f3 6	8. - 24.
opii	5-15	0.3 - 1.
Zinci acet.	1-2	0.03 - 0.13
oxid.	1-5	0.06 - 0.3
phosphid.	15-1	0.006 - 0.01
sulphas {alterative	1-6	0.015 - 0.1
emet.	15-30	1. - 2.
sulphocarbolas	5-15	0.3 - 1.
valerianas	1-5	0.03 - 0.3

THERAPEUTIC REMINDERS.

Abscess.

Alcohol, with milk.
Calcium sulphide. Cod-liver oil.
Hydrogen peroxide, 10 per cent. solution, to wash out.
Incision and antiseptic irrigation.
Iodoform gauze, packed, or oily solution of iodoform injected.
Iron. Quinine.

Acidity.

Acids before meals.
Alkalies with or after meals.
Charcoal, creasote, bismuth.

Aene.

Fowler's solution or other arsenical.
Hot water face-bath, followed by sulphur ointment or lotion.
Ichthyol ointment, 25 per cent.

Adenitis.

Hydrated calcium chloride (gr. 5).
Ichthyol, iodoform or iodoform collodion, iodine ointment, tincture of iodine, locally.
Iron, syrup of the iodide, grt. 5 to 20, in children.
Removal of gland.

Anemia.

Arsenic and iron, singly or combined.
Beta naphthol. Bitters, with iron.
Chloride of gold and sodium.
Creasote. Bone-marrow.
Hypophosphites with cod-liver oil.
Laxatives and mineral acids.
Massage. Mercury in syphilitic cases.
Oxygen by inhalation.
Nitro-glycerin to relax vessels.
Pepsin or pancreatin.
Quinine in malarial cases.
Syrup of phosphate of iron, peroxide of hydrogen (10 vol. solution), and glycerin, equal parts (15ij in water).

Angina Pectoris.

Alcohol, when vascular relaxation.
Arsenic. Diet.
Ether, hypodermically during attack.
Iodides or salicylates.
Morphine, gr. $\frac{1}{4}$ to $\frac{1}{2}$, hypodermically.
Nitrite of amyl, grt. 5, from handkerchief during attack.
Nitrite of sodium or potassium, gr. $\frac{1}{2}$ to 5, thrice daily.
Nitro glycerin, 1 to 20 drops of 1 per cent. solution, by mouth or hypodermically, p. r. n.

Apoplexy.

Croton oil, 1 drop in glycerin on tongue.
Flatterinina, gr. 1 in butter on tongue.
Massage and electricity contraindicated in inflammation.
Opium and calomel in meningitis.
Potassium iodide after attack.
Trephining in selected cases.
Venesection, if patient is full-blooded.
Veratrum viride or aconite, when venesection is impossible.

Asthma.

Adrenal gland. Ammonium chloride.
Amyl nitrite inhaled. Arsenic.
Aspidospermin.
Belladonna, with morphine.
Bromides before retiring.
Coffee, strong black, in intervals.
Chloroform inhaled relaxes, liniment to chest prevents, spasm.
Fumes of potassium nitrate, with belladonna and stramonium.
Grindelia. Hyoscin. Tincture of lobelia. Ipecacuanha, to nausea.
Morphine, hypodermically.
Nitro-glycerin. Paraldehyde. Potassium iodid.
Pyridin. Quebracho.
Sodium nitrite. Strychnine and atropine, hypodermatically.

Bed-sores.

Alum, with spirit of camphor and white of egg. Adhesive plaster.
Antiseptic wash, with iodoform.
Collodion. Iodoform collodion.
Glycerin, after washing and rubbing.
Soap plaster, after washing with bicarbonate solution, with iodoform.
Zinc ointment or dusting powder.
Balsam of Peru, ointment.

Bright's Disease. Acute.

Rest in bed. Basham's mixture.
Cannabis indica, in hæmaturia.
Cups or leeches, over loins if urine scanty.
Digitalis, with squill or calomel, gradually increased, followed by compound spirit of juniper.
Heat. Milk diet.
Gallic acid and ergot, to control hæmaturia. Methylen blue.
Pilocarpine hydrochlorate, gr. $\frac{1}{4}$ to $\frac{1}{2}$, hypodermically, for uræmia.
Saline diuretics and diaphoretics.

Bright's Disease, Chronic.

Chloride of gold and sodium.
Chloride of iron, in anemia, to decrease albuminuria. Nitroglycerin.
Lithium salts, in gouty. Milk diet.
Mercuric chlor. Oxygen inhalations.
Potassium acetate, with juniper.
Potassium iodide, gr. 5, thrice daily.
Sodium arsenite, gr. $\frac{3}{10}$, in gouty.
Strontium lactate. Turkish baths.

Bronchitis.

Amber oil, to chest, in infants.
Ammonium carbonate, chloride, etc.
Balsams, to decrease secretion in chronic. Belladonna.
Codeine, when cough excessive.
Creosote, in chronic.
Dry cups, on each side of vertebrae, at sixth rib.
Eucalyptus oil, in later stages.
Grindelia, in later stages.
Ipecac, to promote secretion, as emetic when suffocation threatens.
Iodide of potassium. Myrtol.
Oxygen inhalations.
Senega, in chronic.
Strychnine, to stimulate respiration.
Terebene. Terpin hydrate, gr. v.
Turpentine liniment to chest.
Vomiting (apomorphine) in capillary.

Burns (locally).

Boric acid. Carbolyzed sweet-oil.
Ichthyol ointment. Lead carbonate.
Lime-water, linsed oil. Pieric acid.
Sodium carbonate. Zinc oxide.

Cholera Asiatica.

Beta-naphthol. Salol.
Calomel, initial large dose (gr. x); subsequent fractional doses (gr. $\frac{1}{4}$).
Enteroclysis (tannic acid enemata).
Hypodermatoclysis (subcutaneous infusion, 0.6 % saline solution).
Intravenous infusion. Hot baths.
Musk. Protective inoculation.
Stimulants.

Cholera Infantum.

Albumin-water or barley-water.
Castor oil, with paregoric.
Hot drinks, in collapse, with brandy.
Mustard or spice plaster, over belly.
Opates, with utmost caution, if it all.
Rectal irrigation, hot or cold, according to temperature.
Salol or bismuth salicylate.
Sterilized milk with pancreatin.

Cholera Morbus.

Castor oil, with laudanum.
Ipecac, rhubarb. Magnesium sulphate.
Mustard plaster, over abdomen.

Chorea.

Arsenic, in ascending doses.

Chorea (continued).

Chloral. Cimicifuga, with iron.
Hot pack, for insomnia.
Quinine. Salicylates or iodides.

Colic.

Ascertain cause (may be appendicitis).
Asafetida. Ether, internally.
Heat. Hyoscyamus. Morphine.

Colic, Hepatic.

Chloroform or ether, inhalations.
Hot applications.
Morphine, with atropine, hypodermically.
Olive or cotton-seed oil.
Phosphate of sodium.

Conjunctivitis, Chronic.

Boric acid, wash (gr. 10 to ounce), cocaine, gr. 2, if no corneal ulcer, when salt, gr. 4, may be substituted.
Copper sulphate crystals or solution (gr. 1-8 to ounce).
Tannin glycerite (gr. x-xxx to 3j).

Conjunctivitis, Purulent.

Atropine or eserine, if corneal ulcer.
Bichloride of mercury (1 to 7000), or boric acid (saturated solution) wash.
Hot compress, if cornea is threatened.
Ice compress, early.
Silver nitrate, stick or solution (gr. 10 to ounce), excess neutralized with salt solution.

Constipation.

Aloes and podophyllin.
Belladonna or hyoscyamus.
Cascara sagrada. Castor oil.
Colocynth, jalap, or senna. Diet.
Electrical applications. Enemata.
Glycerin, suppositories or enemata.
Gymnastics, riding, or massage.
Phosphate of sodium, in rickets.
Salines, to unload bowels.
Soap suppositories.
Sulphur, if hemorrhoids present.
Strychnine, as tonic.

Coryza.

Atropine, with morphine and quinine.
Camphor, snuff, or inhalation of spirit.
Cocaine (2 per cent. solution), instilled.
Hot mustard foot-bath, hot draught.
Dover's powder, rest in bed.
Quinine, internally or spray.
Turkish bath, aborts.

Croup, Membranous, and Diphtheria.

Boric acid with glycerin, locally.
Corrosive sublimate, gr. $\frac{1}{2}$, every 2 h., or calomel, gr. $\frac{1}{4}$ to $\frac{1}{2}$, hourly.
Antitoxin. Emetics. Intubation.
Hydrogen dioxide (spray, gargle, swab). Formalin (locally).

Croup, Membranous, and Diphtheria (*continued*).

Iron, tincture of chloride, locally and internally. Guaiacol (50 %), locally. Lime-water or lactic acid solution by swab or in spray. Oxygen inhalations. Atropine. Strychnine. Musk. Quinine. Papayotin or trypsin, by swab or spray. Steam and vapors from slaking lime. Tracheotomy.

Croup, Spasmodic.

Amyl nitrite, inhalations. Belladonna, bromides, chloral, or opium. Cold cloth around neck, and child in hot bath, air being moistened. Ipecac to nausea. Spongio-piline or flannel, wet with hot water, to neck, covered with oil silk. Treat rickets.

Cystitis, Acute.

Rest. Belladonna. Boric acid. Cannabis indica. Creolin, vesical wash (1 to 2 per cent.). Flaxseed tea. Hot compress over bladder. Hot sitz-bath and enemata. Laudanum, grt. 30, to starch-water, oz. 2, in enema. Fl. ext. pichi. Opium, belladonna, or iodoform suppository. Urotropin.

Cystitis, Chronic.

Alkaline and antiseptic irrigation. Arbutin, gr. 3 to 5, or buchu. Benzoic or boric acid. Opium suppositories. Potassium salts, except bitartrate. Turpentine, oil of sandalwood, cubeb, or copaiba. Silver nitrate, solution (gr. 1 to oz. 4). Strychnine and cantharides, when vesical atony is great.

Delirium Tremens.

Capsicum and liquid food. Chloral, with ammonium carbonate and coca. Hyoscine. Sulphonal. Bromides. Morphine.

Diabetes Mellitus.

Antipyrin. Arsenic. Codeine, grs. 1-5. Ergot or gallic acid, with opium. Jambul. Pancreatic extract. Iron, lactophosphates of lime and sodium, strychnine and asirringents. Lithium, with arsenic. Guaiacol. Salol. Opium, oxygen, and H_2O_2 . Levulose. Purgatives, restricted diet, and regulated exercise. Salicylates. Sodium phosphate. Strontium bromide.

Diarrhoea.

Rest. Ammonium chloride, grs. 5. Bismuth, with creasote. Calomel, with a saline. Camphor, in serous types. Castor oil, with rhubarb or laudanum and sodium bicarbonate. Chalk mixture, with kino and catechu. Charcoal, in acid and fermentative. Chloroform, with astringents and opium. Digitalis. Strychnine. Copper sulphate, gr. $\frac{1}{2}$, with opium. Ergot. Hamatoxylon. Lime-water. Mercury, with chalk. Milk-diet. Naphthalin or beta-naphthol. Nitric acid, with bitter tonic, in green diarrhoea of children. Nitro-muriatic acid, or podophyllin. Pepsin, with hydrochloric acid. Phosphate of sodium, lime salts, and common salt, if rickets present. Rhubarb. Sulphuric acid, valuable in serous. Thymol, salol, and morphine.

Dropsy.

Recumbency. Adonidin, sparteine, or strophanthus. Calomel and caffeine. Cocaine. Colocynth, compound extract. Digitalis. Theobromine sodio-salicylate. Elaterium, in renal. Hot-air bath. Jalap, compound powder, with potassium bitartrate, in renal. Magnesium sulphate, concentrated solution. Pillocarpine, in renal dropsy. Potassium iodide.

Dysentery.

Ergot, in bloody stools. Hamamelis, injections. Ice-water, injections. Ipecac, in acute. Lead acetate, with opium and camphor. Magnesium sulphate. Mercury bichloride, gr. $\frac{1}{10}$. Nitro-hydrochloric acid. Peroxide of hydrogen and tannin, rectal injections. Potassium chlorate, rectal injections. Quinine enemata. Silver nitrate, rectal injections (gr. 10 to 20 to ounce).

Dysmenorrhoea.

Antipyrin or acetanilide, in neuralgic. Apioi. Manganese. Belladonna, suppository. Camphor, with acetanilide or antipyrin. Cannabis indica and gelsemium. Hot sitz-bath, with turpentine stupe. and Dover's powder. Iron, strychnine, and quinine, with rest and riding.

Dyspnoea.

Ammonium carbonate.
 Arsenic, in emphysema.
 Aspidospermine.
 Dry cupping over back.
 Morphine. Nitrites.
 Oxygen.
 Quebracho, with bromide.
 Strychnine, with atropine.

Eclampsia.

Amyl nitrite, inhalation.
 Chloral and bromide, each 1 drachm, by rectum.
 Chloroform.
 Euterium, gr. 1. Jalap.
 Extraction of child.
 Hot bath. Opium. Venesection.

Epididymitis.

Guaiacal, topically.
 Ice-bags. Ichthyol. Iodide of potassium iodine, or silver nitrate solution.
 Mercury and belladonna ointments, equal parts, or iodine, grs. 4, with lanolin, ounce 1, locally.
 Strapping testicle.

Epilepsy.

Amyl nitrite, inhalations.
 Antifebrin and antipyrin.
 Belladonna, with bromides. Borax.
 Bromides. Chloral, with bromides.
 Sulphonal. Trional. Urethane.

Epistaxis.

Acetic acid, locally.
 Alum powder, pure or with starch.
 Ergot, turpentine, hamamelis, or oil of erigeron, internally.
 Hot-water and hot foot-bath, cold-water bags to dorsal vertebrae
 Ice applied to nose
 Nitrate of silver stick to septal ulcer.
 Plugging anterior and posterior nares.
 Vinegar or lemon-juice, injected.

Fever.

Rest in bed.
 Aconite. Alcohol.
 Cold baths, coils, packs, sponging, ice-bags, etc.
 Musk, by rectal injection. Quinine.
 Solution of potassium citrate or of ammonium acetate.
 Spirit of nitrous ether.
 Strychnine.

Gastralgia.

Arsenic. Belladonna. Silver.
 Bismuth and pepsin, after meals.
 Bromides or valerian.
 Counter-irritation.
 Cannabis indica. Hoffman's anodyne.
 Hot applications.
 Massage, enemata, diet, suppositories

Gastralgia (continued).

of gluten, glycerin, or soap, to overcome constipation.

Gastric Catarrh, Acute.

Cocaine (in vomiting). Diet.
 Effervescing draughts.
 Milk, with lime-water (peptonized).
 Seidlitz powder, one-fourth of ounce every fifteen minutes.
 Sodium bicarbonate, with gentian.

Gastric Catarrh, Chronic.

Bismuth subnitrate. Nux vomica
 Diet, koumyss, light broths.
 Lavage or hot-water potations.
 Silver nitrate and hyoscyamus.
 Strontium lactate or bromide.

Gastrectasis.

Cod-liver oil.
 Electricity.
 Enemas, nutrient.
 Gentian and calumba.
 Iodide of iron, lactophosphate of lime, phosphate of sodium.
 Lavage. Massage. Strychnine.

Gastric Ulcer.

Arsenic and Opium. Bismuth.
 Counter-irritation.
 Ergot or cracked ice.
 Milk diet or rectal feeding. Rest.
 Silver nitrate, with hyoscyamus, opium, or belladonna in pill.

Gonorrhoea.

Benzoic acid, with cannabim indicum.
 Cocaine (4 per cent. sol.) in urethra.
 Copaiba. Cubeb. Argonin (2 per cent.).
 Hydrastis, locally and internally.
 Lead-water and laudanum.
 Mercuric chloride (1 to 20,000 or 1 to 40,000), to flush urethra.
 Opium and belladonna. Protargol (1%).
 Potassium permanganate injections.
 Silver nitrate, injections (gr. 2 to 4 to ounce). Sandalwood oil.
 Sodium bicarbonate. Potassium citrate. Fl. ext. pichi.
 Zinc sulphate injections (gr. 1 to oz.).

Gout.

Blisters, flying. Chloroform liniment.
 Cod-liver oil. Water.
 Colchicum, wine of root.
 Fowler's solution of arsenic.
 Ichthyol ointment to painful joints.
 Iodide of iron and cod-liver oil.
 Iodide of potassium, with colchicum.
 Iodine, ointment or tincture.
 Lithium carbonate or citrate, internally, locally.
 Morphine. Piperazine. Phenocoll.
 Strontium salts. Tetra-ethyl-ammonium.

Hematemesis.

Rest.
Ergot, hamamelis, or ipecac.
Ice, cracked.
Iron, tincture of chloride, or turpentine, internally.
Lead acetate with morphine or opium.
Silver nitrate, gr. $\frac{1}{2}$, in pill.
Tannic acid, gr. 20 to drachm of water.

Hematuria.

Rest.
Camphor, gr. 10 to 20, in pill.
Ergot. Gallic acid, gr. 20.
Hamamelis, injected. Quinine.
Styptic injections, rarely.
Turpentine.

Hemoptysis.

Absolute rest. Alum (gr. 20 to ounce), in spray. Calcium chloride.
Cup or strap extremities.
Ergot, fluid extract. Gallic acid.
Ice over heart.
Ipecac, in small doses.
Morphine, hypodermically.
Turpentine or erigeron oil.

Hay Fever.

Arsenic. Opium. Adrenal gland.
Atropine, gr. $\frac{1}{2}$, repeated once in two hours. Mineral acids.
Climate. Sodium salicylate.
Cocaine, 2-4 per cent. solution, atomized in nose. Physical exercise.
Cotton plug in nostrils.

Headache.

Treat cause.
Antipyrin. Antifebrin.
Bromides. Croton chloral.
Caffeine, with bromide.
Capsicum plaster, to neck.
Refraction, if eye-strain.
Ergot, if congestion.
Gelsemium. Guarana.
Heavy magnesium.
Hydrobromic acid. Methylene-blue.
Mustard foot-bath.
Nux vomica, in sick headache.
Phenacetin. Purge or emetic.
Sodium bicarbonate.

Hemorrhage, Intestinal.

Enemas, styptic. Ice to abdomen.
Ice, by mouth, and Monsel's salt, gr. 3, in pill. Ice-water injections.
Lead acetate and camphor.
Liquid food (pepton or beef-juice) absorbed from stomach. No milk.
Sulphuric acid.
Tannic acid and opium. Turpentine.

Incontinence of Urine.

Antiseptic fluids, to cleanse bladder.
Arsenic, with nux vomica.

Incontinence of Urine (continued).

Belladonna with bromide.
Catheterization, if due to retention.
Circumcision. Elevation of hips.
Ergot. Hyoseyamus. Strychnine.
Nitro and potassium citrate.
Rhus aromatica, in children.

Insomnia.

Bromide of potassium.
Bath.
Chloral, if not due to pain.
Chloralamide. Chloralose.
Croton-chloral.
Food at night.
Hot-water bags to feet, cold to head.
Hyoscine.
Morphine, with chloral. Paraldehyde. Opium, to relieve pain.
Remove indigestion.
Somnal.
Sulphonal. Trional.
Valerian, in nervousness.

Intermittent Fever.

Arsenic.
Calomel.
Ice-pack, if fever excessive.
Iodine. Methylene-blue.
Podophyllin, preceding quinine.
Quinine.

Iritis.

Atropine.
Ice compress.
Eserine.
Iodide of potassium, with mercury.
Leeches and heat, to relieve pain.
Mercury, by inunction.

Keratitis, Interstitial.

Antiseptic lotions.
Antisyphilitic treatment.
Atropine.

Keratitis, Phlyctenular.

Atropine.
Boric acid, solution.
Cold-water douche.
Tonics and alteratives.
Yellow oxide of mercury ointment.

Laryngitis, Acute.

Calomel, followed by saline purges.
Ice, externally.
Inhalation from steaming water of compound tincture of benzoin, with paregoric.
Voice not to be used.

Laryngitis, Subacute.

Cold compress, externally.
Inhalations of recent vapor of ammonium chloride.
Zinc sulphate (gr. 4 to ounce), spray.

Lencorrhœa.

Alum or boric acid, douche.
 Belladonna, with tannic acid, applied on cotton. Hematoxylon.
 Hot sitz-bath, or vaginal injections.
 Hydrastis injections.
 Iron, with tonics.
 Potassium permanganate, as injection.
 Tampon, iodoform and tannic acid.
 White-oak bark, or tannic acid and glycerin.

Lumbago.

Acupuncture. Ammonium bromide.
 Atropine (gr. $\frac{1}{60}$), morphine (gr. $\frac{1}{2}$), into muscle.
 Chloroform liniment.
 Foot-bath and Dover's powder.
 Ice-bag or ether spray to loins.
 Ironing back with laundry-iron.
 Massage. Monobromated camphor.
 Mustard or capsicum plaster.
 Potassium iodide or salicylic acid.

Mania.

Anæsthetics or apomorphine.
 Bromides.
 Cannabis indica, with bromides.
 Chloral, if kidneys healthy.
 Climefuga, after confinement.
 Cold douche to head.
 Hyoscine hydrobromate. Morphine.
 Tonics, if after typhoid, etc.

Mastitis.

Belladonna, to breast.
 Breast-pump, if milk persists.
 Compression. Incision, if pus.
 Purges.

Meningitis, Acute.

Belladonna.
 Blister early.
 Bromides and chloral.
 Calomel, with opium.
 Ergot.
 Ice-bag to head.
 Leeches. Venesection.

Migraine.

Bromide of sodium, with caffeine.
 Cannabis indica. Croton chloral.
 Gelsemium, with cannabis indica.
 Hyoscyamus, with calomel.
 Salicylic acid.

Myalgia.

Ammonium chloride or bromide.
 Clove oil, added to liniment.
 Electricity. Heat.
 Iodide of potassium or salicylates.
 Massage.

Nasal Catarrh.—See "CORYZA."

Neuralgia.

Aconitine. Gelseminine.

Neuralgia (continued).

Acupuncture, nerve-stretching, or neurectomy. Acetanilide.
 Ammonium chloride. Antipyrin.
 Bromide of potassium, with caffeine.
 Camphor and chloral liniment, locally.
 Climefuga, in ovarian.
 Croton chloral, in brow.
 Freezing parts with ether.
 Hydrocyanic acid, in intestinal.
 Hyoscyamine.
 Iodide of potassium.
 Iron and arsenic.
 Morphine, injected locally.
 Mustard plaster.
 Nux vomica.
 Peppermint oil or menthol, locally.
 Phenacetin.
 Phosphorus.
 Quinine.
 Specific remedies.
 Turkish bath.

Night-Sweats.

Agaricin.
 Belladonna or atropine.
 Camphoric acid.
 Ergot. Gallic acid.
 Hot bath at bedtime. Hyoscine.
 Picrotoxin (gr. $\frac{1}{60}$) or strychnine.
 Pilocarpine.
 Sulphuric acid, with morphine.

Pericarditis.

Alcohol, digitalis, or caffeine.
 Aspiration, gradual.
 Blister, over præcordium.
 Calomel, with opium.
 Iodide of potassium.
 Jalap or elaterium, or saline purge.
 Leeches or ice-bag, over præcordium.

Peritonitis, Acute.

Belladonna and opium.
 Calomel or salines.
 Leeches or mustard plaster.
 Pancreatinized milk.
 Section.
 Turpentine stupes.

Pleurisy.

Aspiration.
 Blisters. Sinapisms. Leeches.
 Digitalis or pilocarpus.
 Elaterium or jalap.
 Ice-poultice or jacket.
 Iodine, locally.
 Iodide of potassium.
 Salicylates.
 Saline purges. Strap chest.

Pneumonia.

Alcohol.
 Ammonium salts. Turpentine.
 Blisters. Turpentine stupe.
 Cardiac and respiratory stimulants.
 Cups, wet or dry. Calcium chloride.

Pneumonia (continued).

Digitalis. Aconite. Veratrum viride.
Ice-poultice or lamb's-wool jacket.
Intravenous injection of blood-serum
from a convalescent.
Leeching, bleeding, cardiac sedatives.
Mustard plaster.
Nitrites. No antipyрин.
Oxygen inhalations.
Saline solution by hypodermoclysis.
Strychnine.

Post - Partum Hemorrhage.

Abdominal massage.
Ergot.
Ether, hypodermically.
Hot intra-uterine douche.
Suture, if due to laceration.
Tamponing with iodoform gauze.
"Turn out that clot."

Pruritus.

Arsenic, quinine, bitter tonics, cod-liver oil.
Calomel and lard, locally.
Carbolic acid, well diluted, locally.
Cocaine.
Cold douche and injections.
Diabetic treatment.
Goulard's extract, dilute.
Hydrocyanic acid, locally.
Mercuric chloride, 1 : 250, as wash.
Silver nitrate, locally, preceded by cocaine.
Sodium bicarbonate or borax.

Psoriasis.

Anthraobin. Aristol. Arsenic.
Baths of sulphides.
Chrysarobin, internally, or ointment.
Gallic acid ointment. Thyroid extract.
Resorcin. Ichthyol. Thiol.

Puerperal Fever.

Bichloride of mercury (1 to 5000) or creolin (2 per cent.) solutions.
Curette, to remove membranes.
Salines, if peritonitis develops.
Celiotomy, if peritonitis develops.
Nutriment and alcoholic stimulants.
Iodine and carbolic acid applied to ulcerated wounds.

Rheumatism, Acute.

Rest.
Alkalies and quinine.
Blisters over joints.
Cimicifuga.
Cold applications, if hyperpyrexia.
Iron, tincture of chloride.
Oil of gaultheria.
Potassium iodide. Phenocoll.
Rhus toxicodendron.
Salicin or salicylic acid and its salts.
Sodium bicarbonate, applied on lint.
Salol.

Rheumatism, Chronic.

Arsenic. Blisters, repeated.
Baths of sulphides. Turkish baths.
Cod-liver oil. Dry hot air.
Ichthyol.
Iodine, locally.
Mistura ferro-salicylata.
Potassium iodide, colchicum, and sar-saparilla.
Veratrine ointment.

Rickets.

Cod-liver oil.
Cool sponging.
Iodide of iron. Oxygen inhalation.
Lime salts, phosphorus.
Quinine, cod-liver oil, nux vomica.

Scarlet Fever.

Alcohol.
Ammonium acetate.
Carbolic acid in benzoated lard, vaselin, cosmolin, or almond oil, locally.
Chloral.
Cold sponging.
Ice-bag or rubber head-coil.
Jalap, with potassium bitartrate.
Pilocarpine.
Peroxide of hydrogen, locally.
Strychnine, iron, simple bitters, quinine, or Basham's mixture.
Warm, wet pack.
Water, pure, in large amounts.

Sciatica.

Blister or cautery.
Cod-liver oil.
Chloroform, ether, or osmic acid, deeply injected.
Ether or rhigolene, sprayed.
Ice, locally.
Morphine, injected.
Nerve-stretching.
Potassium iodide. Rest, with splint.
Salicylic acid and iron.

Scrofulosis.

Arsenic or corrosive sublimate.
Calcium chloride (hydrated).
Cod-liver oil.
Excising gland, packing with iodiform gauze.
Ichthyol ointment.
Iodine ointment.
Iron, syrup of the iodide.
Lactophosphates or hypophosphites.
Phosphate of sodium or lime.
Sulphide of calcium.

Sore Throat.—See "TONSILLITIS."**Sprains.**

Cold and hot applications, alternate.
Fomentations. Rest. Plaster dressing.
Lead-water and laudanum.
Massage, followed by bandaging.

(Chronic.

Stings and Bites.

Alkaline liquids, locally.
 Carbolic acid. Ether.
 Corrosive sublimate, with flexible collodion. Iodine, tincture, locally.
 Ligature, or cleansing of wound.
 Potassium permanganate.
 Vinegar, locally.

Tonsillitis.

Calomel and quinine. Guaiacol.
 Gualac, internally and as gargle.
 Hydrogen peroxide, in spray.
 Incise abscess. Cinchonidin.
 Iron, tincture of the chloride. [gle.
 Salol and salicylates. Potass. chlor., gar-
 Sodium bicarbonate, locally.

Tuberculosis.

Arsenic. Atropine, hypodermically in night-sweats.
 Chlorine, by inhalation.
 Chloroform, terebene, and ethyl iodide by inhaler.
 Codeine. Cod-liver oil.
 Compressed and rarefied air.
 Creosote. Guaiacol. Eucalyptol.
 Gavage (overfeeding).
 Glycerin and water, with lemon-juice.
 Iodine, internally, hypodermatically, and over pleuritic spots.
 Iodoform, in pill and locally.
 Lactic acid, locally.
 Lactophosphates and hypophosphites.
 Morphine and wild cherry bark.
 Menthol, locally.
 Nitrogenous diet.
 Oxygen inhalations.
 Peroxide of hydrogen.
 Strychnine. Respiratory gymnastics.
 Surgical measures.
 Tuberculin and Tuberculoceidin in selected cases.

Typhoid Fever.

Alcohol. *No antipyretic.*
 Calomel. Water, freely.
 Cold baths, systematically.
 Enemas. Guaiacol.
 Hydrochloric acid.
 Morphine. Quinine.
 Rest and diet.
 Salol. Betanaphthol.
 Turpentine in stupes, enemata, or by mouth.

Ulcers (locally).

Acetanilide. Aristol.
 Bismuth benzoate. Burnt alum.
 Carbolic acid. Carbonic-acid gas.
 Caustic potash. Copper sulphate.
 Creolin.
 Gallic acid ointment. Hamamelis.
 Hydrogen peroxide.
 Nitric acid, for phagedenic.
 Orthoform. Potassium permanganate.

Ulcers (locally) (continued).

Precipitated carbonate of calcium, as dry dressing.
 Silver nitrate. Iodoform.

Varicose Veins.

Bandage.
 Barium chloride, internally and locally.
 Hamamelis. Operation.

Vomiting.

Bromides, with laudanum.
 Calomel (gr. $\frac{1}{2}$), ext. hyoseyami (gr. ss)
 Carbolic acid, with bismuth.
 Cerium oxalate. Chloroform. Creosote.
 Cloves, oil of. Cocaine (gr. $\frac{1}{16}$ to gr. $\frac{1}{8}$)
 Enemas, partially digested.
 Fowler's solution.
 Hydrocyanic acid, dilute.
 Hydrochloric acid, dilute.
 Ice-bag. Ipecac. Lavage.
 Lime-water, added to milk.
 Mustard plaster over stomach.
 Nux vomica.
 Oxygen-water.
 Peptonized milk and beef.
 Podophyllin. Position.
 Seidlitz powder.

Vomiting of Pregnancy.

Arsenic.
 Bromide of potassium.
 Cerium oxalate.
 Cocaine.
 Iodine, tincture of.
 Ipecac, wine.
 Menthol.

Whooping Cough.

Amyl nitrite.
 Antipyrin.
 Belladonna, tincture of.
 Bromoform.
 Chloral. Chloroform.
 Hyoseyamus.
 Hydrogen peroxide.
 Monobromated camphor.
 Ouabaine.
 Quinine.
 Resorecin, 2 per cent. solution.

Worms.

Aspidium.
 Calomel.
 Carbolic acid lotion, to destroy eggs.
 Castor oil.
 Chenopodium, oil of.
 Kamala, drachms 1 to 2, in syrup.
 Lime-water injections.
 Pelletierine.
 Pepo.
 Quassia injections.
 Salicylic acid.
 Santonin.
 Spigelia.
 Turpentine and castor oil.

LIGATION OF ARTERIES.

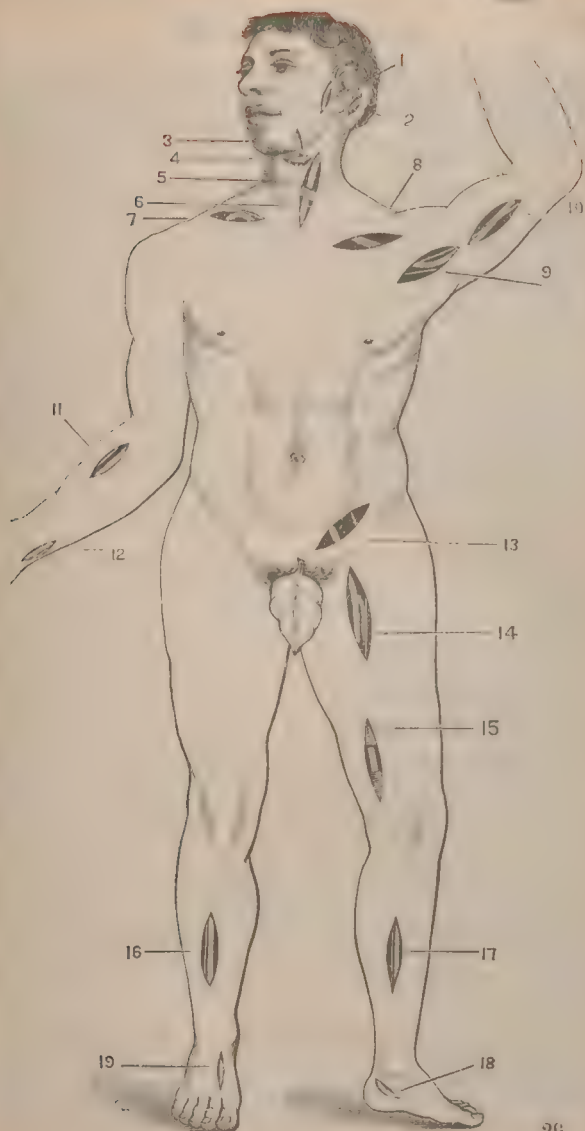
THE accompanying plate indicates the positions in which the operation of ligating arteries in their continuity is most commonly performed. There is no point at which ligatures are applied which is not represented, with the exception of a few which are very rarely chosen. With the explanations which follow, this diagram will serve as a guide to the practitioner who may be called upon in an emergency to perform an operation in regard to which he has grown somewhat rusty from want of practice.

1. Ligation of the Temporal Artery. The temporal artery is the continuation of the external carotid from the level of the lobe of the ear to the level of the eyebrow, where it divides into its terminal branches. The point at which it is ligated is a little in front of the anterior curve of the concha. A vertical incision, about an inch in length, is made in front of the concha. The artery is easy to find, as it is very superficial at this part of its course. Its accompanying vein lies to the outer side, and the temporal branch of the auriculo-temporal nerve lies in front of it.

2. Ligation of the Occipital Artery. The occipital artery comes off from the posterior part of the external carotid at about the level of the angle of the lower jaw. It curves backward under and to the inner side of the mastoid process, at the back of which it comes out through the attachment of the trapezius muscle, and winds in a tortuous course upward over the occipital bone. The point at which it is ligated is about an inch behind the ear. An incision, an inch and a half long, parallel to the posterior edge of the mastoid process, will expose it. Its accompanying vein lies to the outer side of it. (There are but few occasions when it is necessary to ligate this artery, as its position makes it very easy to stop the flow of blood through it by pressure with a suitable compress and bandage.)

3. Ligation of the Facial Artery.—The facial artery comes off from the external carotid just below the level of the angle of the lower jaw, and passes forward below this bone to a point just in front of the insertion of the masseter muscle. Here it sends a branch forward, the submental, while the main trunk curves up over the lower jaw and passes in a tortuous course toward the angle of the mouth. The point at which it is ligated is that at which it ascends in front of the masseter muscle. An incision an inch in length will expose it. Its accompanying vein lies to the outer side.

4. Ligation of the Lingual Artery.—The lingual artery comes off from the external carotid at the level of the great cornu of the hyoid bone; it passes forward under the posterior belly of the digastric muscle, and the stylo-glossus and hyo-glossus muscles, to the root of the tongue, and thence to its further distribution. It is in some respects the most difficult artery to ligate in the whole body. The point at which it is ligated is the second part of its course, under the hyo-glossus muscle. An incision is made about half an inch above, and parallel to, the great horn of the hyoid bone, and extending from just in front of the anterior edge of the sterno-cleido-mastoid muscle to near the middle line of the neck, half an inch below the base of the jaw. The skin and subcutaneous fat having been divided, the capsule of the submaxillary gland will be met. This capsule must be divided, and the gland carefully drawn up over the jaw. In doing this great care must be taken not to injure the facial artery and vein, which pass through the gland. The posterior part of the capsule of the gland must next be divided. This will expose the shining aponeurosis which constitutes the pulley of the digastric muscle and attaches it to the great horn of the hyoid bone, near the insertion of the stylo-hyoid muscle. Behind these passes the hypoglossal nerve. This must be delicately detached from the sheath of the hyo-glossus muscle, which lies below it, and pushed up out of the way. As the next step, fix the pulley of the digastric with a tenaculum and gently insinuate a director behind the posterior edge of the hyo-glossus muscle, and push it forward between this and the middle constrictor of the pharynx, which lies under



neath it, in a line parallel to, and just above, the greater horn of the hyoid bone. The hyo-glossus muscle is then to be divided on the director, and the lingual artery is exposed. In placing the ligature the needle should be passed from above downward, so as not to injure the hyo-glossus nerve. The important guides in this ligation are the hyoid bone, the pulley of the digastric muscle, and the hyo-glossus nerve.

5 and 6. Ligation of the Common Carotid Artery.—For ligation, the common carotid artery is divided into two portions by the narrow omo-hyoid muscle, which crosses it near its middle. (Shown in the cut.) The upper portion is comparatively superficial, and occupies what on this account is called the triangle of election. The lower portion lies deeper, and occupies what for this reason is called the triangle of necessity. (The cut represents the incisions for both these ligations united.)

5. Ligation of the Common Carotid Artery in the Triangle of Election.—The patient should be recumbent, with the head extended and turned toward the opposite side. An incision should be made along the anterior edge of the sterno-cleido-mastoid muscle, from about an inch below the angle of the lower jaw to a little below the cricoid cartilage. The superficial fascia, the platysma-myoides muscle, and the deep fascia are then to be divided on a director. The sterno-mastoid muscle must then be held back, and the deep layer of the deep fascia picked up and carefully divided on a director. This will expose the sheath of the blood-vessels, and perhaps the *descendens noni* nerve. Avoiding the latter, the sheath of the vessels is to be picked up with forceps and nicked with a scalpel. A director is then to be introduced, and the sheath slit up upon it. The artery is now to be separated from the internal jugular vein, which lies to the outer side, and from the pneumogastric nerve, which lies back of and between the artery and vein. The ligature should be passed from without inward.

6. Ligation of the Common Carotid Artery in the Triangle of Necessity.—The position of the patient should be the same as for the operation just described. The incision should be made along the inner edge of the sterno-mastoid muscle, and from the middle of the neck to the top of the sternum. The skin, superficial fascia, and platysma-myoides muscle are to be divided. Then the deep fascia is to be divided on a director, avoiding injury to the anterior jugular vein. When the edges of the wound are drawn asunder, another layer of the deep fascia will be exposed, which must be lifted with forceps, nicked, and then carefully divided on a director. Under this lies the sheath of the blood-vessels, and upon it the *descendens noni* nerve. The subsequent steps of the operation are the same as those described for ligation in the triangle of election.

7. Ligation of the Subclavian Artery.—The point of election for ligation of this artery is the outer side of the scalenus anticus muscle. An incision is made parallel to and just above the clavicle, from the outer half of the clavicular insertion of the sterno-cleido-mastoid muscle to the anterior edge of the trapezius muscle, taking care not to go deep enough to cut the external jugular vein. The skin, superficial fascia, and the platysma-myoides muscle are to be divided. Then the external jugular vein is to be drawn aside. If this be impossible, it must be divided between two ligatures. The loose connective tissue must now be carefully broken up with a director and a search made for the artery. It must be remembered that it lies to the outer side of the scalenus anticus muscle and to the inner side of the cords of the brachial plexus. When found, it is to be very cautiously separated from its attachments to the pleura, and the ligature passed from below upward. The greatest care is necessary to avoid injuring the vein or the pleura, or including a nerve in the ligature.

8 and 9. Ligation of the Axillary Artery.—This artery is ligated in its first portion just after passing over the first rib, and in its third portion in the axilla.

8. Ligation of the First Portion of the Axillary Artery.—The arm is drawn away from the side, and an incision about three inches in length is made in the line which marks the division between the upper and lower parts of the pectoralis major muscle. The superficial and deep

fasciæ must be divided on a director. The muscular inter-space is then to be sought for, and the two parts of the muscle separated, working up toward the clavicle, and not directly backward. As this is done, the arm should be brought back to the side, so as to relax the parts. The costo-coracoid membrane is next to be found and opened on a director. The artery lies beneath it. It is to be carefully isolated from the axillary vein, which lies on its inner, or lower, side, and the axillary nerves, which lie to its outer side. The ligature should be passed from within outward, or from below upward.

9. *Ligation of the Axillary Artery in the Axilla.*—This is the most accessible part of the artery. It is reached by drawing the arm away from the body, and making an incision about three inches long over the course of the vessel, at the junction of the anterior and middle thirds of the axilla. The deep fascia must be divided on a director, and the artery will be found beneath it, with the axillary vein on the ulnar side (toward the back of the arm), and the median nerve on the radial side (toward the front of the arm). The ligature should be passed from the ulnar toward the radial side, so as not to injure the vein.

10. *Ligation of the Brachial Artery, in the middle of the arm.*—An incision about two inches in length is to be made along the inner edge of the swell of the biceps muscle, at the middle of the arm. After dividing the skin and superficial fascia, and any fat that may be met with, the fibrous membrane which encloses the biceps muscle will be encountered. This is to be divided on a director, and the loose connective tissue along the edge of the muscle broken up, when the artery will be exposed. Care must be taken not to divide the median nerve, which crosses the brachial artery near its middle, passing from the radial toward the ulnar side, and not to include it in the ligature. The *venæ comites* lie one on each side of the artery.

11. *Ligation of the Radial Artery, in the upper third.*—An incision is to be made in a line drawn from the middle of the bend of the elbow to the point at which the pulse can be felt at the wrist. The median vein is to be avoided in incising the superficial fascia. When the deep fascia has been exposed, a yellow line, marking the division between the supinator longus, on the radial side, and the pronator radii teres, on the ulnar side, is to be looked for. The fascia is to be opened along this line, and the artery will be found below it. The radial nerve lies to the radial side of the artery, but so far away as to be in little danger of being injured.

12. *Ligation of the Ulnar Artery, in the lower third.*—An incision is to be made in the depression between the flexor sublimis digitorum and the flexor carpi ulnaris, just above the carpus. The skin and superficial fascia are to be divided, and then the deep fascia is to be picked up with the forceps and divided on a director. The artery will be found lying on the pronator quadratus, alongside the tendon of the flexor carpi ulnaris, with the ulnar nerve on its ulnar side. The ligature should be passed from the ulnar toward the radial side, avoiding the nerve.

13. *Ligation of the External Iliac Artery.*—An incision is to be made nearly parallel to Poupart's ligament, and about an inch above it, extending from about an inch above the anterior superior spinous process of the ilium to a point near the external abdominal ring. This incision should curve slightly upward at both ends. The skin and superficial fascia are to be divided, and ligatures to be applied to any vessels which bleed. The tendon of the external oblique muscle is to be divided, and then the internal oblique and the transversalis muscles. The separation of the transversalis fascia is a work of the utmost delicacy, to be effected with the forceps and the finger, the latter restraining and protecting the peritoneum. A finger passed down into the pelvis through the opening will discover the artery. The accompanying iliac vein lies to the inner side of the artery, and the anterior crural nerve at some distance to its outer side. The ligature should be passed from within outward.

14. *Ligation of the Femoral Artery in Scarpa's Triangle.*—The point of election for ligation of the femoral artery is at the apex of Scarpa's triangle. To accomplish it, the leg should be flexed at the knee, and the thigh slightly flexed upon the abdomen, abducted and rotated

outward, so as to lie on its outer side. An incision should then be made, over the course of the artery, in a line bisecting Scarpa's triangle from the middle of its base to its apex. This incision should be about three inches long, and its middle should be over the apex of the triangle. The skin, superficial fascia, and fat having been divided, the inner edge of the sartorius muscle must be found and drawn outward. The artery will now be found, with the vein to the inner side and a little behind it, and several nerves on the outer side. The artery should be carefully isolated after opening its sheath, and the ligature passed from within outward.

15. Ligation of the Femoral Artery in Hunter's Canal.—This rare ligation is performed by placing the limb in the position for the preceding operation, and making an incision from the apex of Scarpa's angle toward the back part of the internal condyle of the femur, avoiding the saphena vein. After passing through the skin, superficial fascia, and fat, the deep fascia will be seen, binding down the sartorius muscle. This membrane is to be opened on a director and the muscle drawn backward. This will disclose the aponeurotic sheath which covers the femoral artery at this point. This sheath must be opened, and the artery will be exposed. In ligating it, care must be taken not to injure the long saphenous nerve, which accompanies it, or the femoral vein, which here lies behind it and toward its outer side. The ligature should be passed very carefully from without inward.

16. Ligation of the Anterior Tibial Artery. in the middle third.—An incision is to be made, about three inches long, in a line passing from a point midway between the tubercle of the tibia and the head of the tibia, to a point midway between the two malleoli. When the deep fascia has been reached, a yellow line may be found, indicating the septum between the tibialis anticus muscle and the extensor longus digitorum. Along this line the aponeurosis is to be divided on a director, and the two muscles carefully separated until the extensor proprius pollicis is met with, when this is to be separated from the tibialis anticus until the artery is reached. It is accompanied by two *venae comites*, which it is not important to regard if they are difficult to separate from the artery. The anterior tibial nerve lies either in front or at the outer side of the artery. To avoid injuring it, it should be pressed to the outer side of the wound and the ligature should be passed from without inward.

17. Ligation of the Posterior Tibial Artery. in the middle third.—An incision three inches long is to be made parallel to the inner border of the tibia and about half an inch back of it, and carried down to the superficial fascia. This is to be carefully opened, avoiding injury to the internal saphenous vein and nerve, which lie in the track of the wound. They must be found and drawn aside. Then the deep fascia is to be divided on a director, and the inner border of the soleus muscle is to be pressed away from the tibia, when the vessel will be exposed. It is accompanied by two *venae comites* and the posterior tibial nerve, which lies to the fibular side of it. The veins and nerve being separated from the artery, the ligature should be passed from the fibular toward the tibial side.

18. Ligation of the Posterior Tibial Artery behind the Internal Malleolus.—A slightly curving incision an inch and a half long is to be made behind the internal malleolus, and about half way between it and the tendo Achillis. The skin and superficial fascia having been divided, the deep fascia is to be lifted and divided on a director. The artery will then be exposed, accompanied by its *venae comites*, and the posterior tibial nerve, which lies to the back of it and toward the fibular side. The ligature should be passed from behind forward.

19. Ligation of the Dorsalis Pedis Artery.—An incision an inch long is to be made on the back of the foot between the inner tendon of the extensor brevis digitorum and the outer side of the tendon of the extensor longus pollicis. (These tendons can be mapped out by manipulating the great toe.) After dividing the skin, the superficial fascia, and the deep fascia, the artery will be exposed. The continuation of the anterior tibial nerve lies to the fibular side of the artery. The ligature should be passed from the fibular toward the tibial side.

THE
MEDICAL NEWS
VISITING LIST.

RECORDS OF PRACTICE.
FOR THIRTY PATIENTS PER WEEK.
1902.

January, 1902.

Daily

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
				1	2	3	4
Mr Becker 1211 E Biddle St				c			
Mr William Holland Pl				c			
J C Lomen Pa					c	c	
Mr A B Gardner Stinson				c			
Mr Curran 1736 W St Wash				c			
Judge Hartan Sub. Court				c			
Miss Metaul Foster 1201 N Ch						2	c
Miss Robinson						c	
Miss Heald Washington						c	
Mr E Ernst New Freedom						c	
J J Lanahan 2614 East Main						c	
Mr Fairweather Court						c	
Mr E E King Kalamazoo						c	

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MEMORANDA.

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NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	5	6	7	8	9	10	11
T R Ferrandini Pl. house	✓	c					
Mr Barry 503 1/2 W. 10th	✓	c					
Mrs Young 100 East. 5th St. ON	c						
Mr Wylie 510 Park ave	✓	c					
Mr Argente Alder St	✓	c					
W Koehlme Wheeling Ave	c						
W C Hunt 2030 Bolton Ave	c						
W Roberts 10th	c						
Mrs Fennell 1425 End Pl	c						
Mr Greene 1036 West St.	c						
J H Benz (Mrs B.) Wm		c					
W A Miller Hamming Pa	✓	c					
Mr Johnson Mullersburg Pa		c					
Mrs Hecht 141 N. D. St		c					
Mr Fuchs - al-		c					
V Sloan 32 E 19th. N Y	✓	c					
Mr Worthington c 507 10th		c					
Mr Wentworth 29 N. E. V. P. E		c					
F Esley 412 10th St. Wash. Dc	✓	c					
C Mielchen n chm		c					
Mr Drexler 325 Bling		c					
Mrs Meta Forder		c					
Father Fennell. Washington		c					
Dr Welch Talladega Ala					c		
Mrs Hill 227 Circum St. Wash. Dc					c		
A L Burks Roanoke Va					c		
Mrs Hutchinson 407 Franklin Ter					c		
W. Koch Holmes St					c	c	
Mrs Garrett					c		
Mr Rosenberg Abbeville S.C.					c		

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January, 1902.

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and both pieces, Ch. 2 quarts

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NAME	Su.	M.	Tu.	W.	Th.	F.	Sa.
	19	20	21	22	23	24	25
Robert Howe Columbus Ave							c
D D Ferguson Wash. Ave							c
Charles Branch Richmond Ave							c
Julius Thompson Atlanta Ga.							c
Miss Ellen Donaldson							c
W. B. Blumhine Sheffield							c
H. A. Lloyd 1020 3rd St							c
J. S. Henderson Atlanta							c
Mr. Jackson (Ct)							c
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Mr. G. C. Brown Bermuda							c
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Miss Woodward Birmingham							c
Keefe Knutson Little Raven							c
Mr. Ales 1066 2nd St							c

Charge.	Brought Forward.	Total.
---------	------------------	--------

MEMORANDA

20	85 Jeff. ave. c on Brown. bill 875 to Mrs R. at Saurhari	
----	---	--

25		
----	--	--

1301 Mt Royal ave
 c on ^{Brown} Hotel Reynard.
 c on ^{Brown} Hotel Reynard.
 a P Lloyd 227 St Paul

1 Kent. & Res.

20 Leander

c on Brown. 17 E Bidelle

25

c on Richard. Vernon del. Mrs
 Miller. 44 North

10 rd

c on h

10 c on. Burke

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	27	28	29	30	31	1	
Mr Staten. War Dept. Wash		c					Off
Miss Jones	-	c					
Mr J. L. Strauss		v	c				
Mr Lytle 118 Park Ave	-	c					
Miss Tardiff 11 W. Preston	v	c					
Mr M. Case (M. Case)				c			Off
Mr Norman Chadler				c			
Miss O. A. Paul				c			
Mr E. H. G. 1926 Madison Ave				c			
Miss Spingarn					c		
Mr Keimig						c	
Mr J. C. Small						c	
Mr Keidler, Keimig						c	
Mr Louis Gidman						c	
Mr Reller, Columbus							c

Charge

Amount
Paid

Total

MEMORANDA.

10

Summary

20

General and \$ 500.00

1817 Linden ave. 5 7

\$ 25.00 charge.

25 to charge

1000th St. 1st 4 5.00 to charge

NAME	Su	M.	Tu.	W.	Th	F.	Sa.
	2	3	4	5	6	7	8
T. J. Hayward							
W. J. Sider							
Mr McDonald 1511 McClellan St	v						
B. Carder 1212 End Pl							
Mr Ritter Columbus Ohio							
Mr Dr Trout, Lancaster, Pa	v						
Mr George Brown Ches.	v						
Mr C. H. King							
Mr Oppenheimer	v						
Mr O. Edwards Pileburg Pa	v						
Mr Lander "							
Mr Stearns 9 d Rapids, Ind							
Mr Almon, Longview, Va							
T C Maurer Fairfield, Mo							
Dr L. D. Phelps, Box Pileburg							
Rev Mr (Amos) (Candler) Dkt							
E Freeman Rapidan Va							
L B Reathelk Cincinnati							
Mr Olinger 1819 Linden							

MEMORANDA

850 fwh. c. or ..

750

pd 750 7-11-53. 7403 Veen ave, Pitts

60

20

25-

NAME	Su.	M.	Tu.	W.	Th.	F.	Sa.
	10	11	12	13	14	15	
Mrs Edwards Pillsbury	c						
Mrs Burgum Pillsbury	c						
Rev Freeman Kaputa							
Miss Cammely. Rouselet Dr	c						
Mrs Abby Portland Me	c						
Mr George Brown	c						
Mr Jm Reuling Dr				c			
Mr H Carter				c			
Dr. Macdonell 1512 Me. Dr	c						
Dr Fitch, Rockport Ill. Dr	c						
Dr Watkins Dr Dr		c					
Mr James		c					
Mr Bradenbridge, son		c					
Mr Maurey		c					
Capt Lammus York Pa				c			
Mr Reuling. Dr R. Dr				c			
Miss Warner. Dr				c			
Miss Cummings 1105 Coll St				c			
Mr Packman. Washington Dr.				c			
Mr David Holzler					c		
Mr Fisher Ruxton					c		
J T Cuyper Lock Haven Pa					c		
Mr Oppenheimer						c	
Mr Burt 1912 N Charles						c	
Mr Woodward Birmingham Ala							
P Hamburger Jr 2279. And							

Charge. Project & Forward.

Total.

MEMORANDA

1000. 1000.

10

m 0.2

20

50 t ch. c or allinson

25-

working 1000. 1000.
" " " c or Johnson.

25-

c or 0.2

28-

25 t ch. c or broken.

14 11 to Fugate St c or Boley

Pres. dep. c 2. amount

NAME.	Sa.	M.	Tu.	W.	Th.	F.	Sa.
	16	17	18	19	20	21	22
Judge Cox 1000. St. Wash	c						
W. Woodward. Sun. at V	c						
Dr Grogan 40. Ashland ne		c		DT			
Mr Baugleman Frederick Ind		c					
Mrs French Pittsburg Ne		c					
Mrs Berkey Dubuque Iowa		c	c				
Mrs Brown Cuba	v	c					
Mr Price 2001 N. Ches	v	c					
Mrs Postley St James			c				
T D Trafer Forest Glen ne			c				
John A and Mrs Dyer N. Wash			c	c			
Bishop Salame 1412 Pike ne							
Dr Kunk.		DT					
Mr & Mrs Young		DT					
Mr Hamburgier. Jr			c		c		
Mr Oliver		DT				c	
Mr			Have as yet DT				
Mr C H Basher 1329 Grand St							
Mrs C Kahn 843 Hill St							
Rev. Mr Miller						c	
Judge Poffenbarger 16 Pleasant Wash					c		
Mrs Hodge Richmond Va							
Mrs Ollinger							
E. Mc Donnell 1511 McNeill St					c		
Mrs Mealy. Hagerstown Md						c	

Charge.	Brought Forward.	Total.
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MEMORANDA.

x 100 Lb can ST & uni

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10

5. *St. Louis*. *Prunus*, heat weak.

1842

5

Free man. A letter, & a letter.

10

19

double the former value of, 8 mos. 513. 94

20

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166

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NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	23	24	25	26	27	28	1
Mrs Batts 924 Hudson St	c						
J Helch 141 N Bding cy	c						
Civ Moses Cleveland St							c
Mrs Rose Anderson 2c	✓						c
Mrs Legel 5 at ...							
Mrs J. H. ... (D. Kelly)							c
Dr. ... (D. Kelly)							c
Mrs Joseph 2103 ...							c
Father Murray ...							c
Dr. ... Providence R.I., D.T.							c
... 1875 ...							c
C. P. Baker Savannah Ga.							c c
Gov. Frank Brown, ...							c
Mrs Allen 538 ...							c
A. ... (Mrs O) ...							c
... ...							c
Mrs Shuman C.D. ...							c
Mrs Wright 1927 ...							c
Mrs ...	✓						c

Charge.

Brought
Forward.

Total.

MEMORANDA

50

H. Allen 22.

50

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J. L. C. 1/2
J. L. C. 1/2

10

c on irregular P. han

10

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Daily

	Sa.	M.	Tu.	W.	Th.	F.	Sa.
	2	3	4	5	6	7	8
Gra Suttie Wash.	c						
Mr O Durrell Wash.	c						
Mr Samner Alexandria Va	c						
Mr. Brown. Phila	c						
H. V. Pitt abt							
May Strongfellow Richmond	c						
Miss E-mail Dr. S. ...	c						
... Ollinger 1017 ...	c						
... Openheimer 1411 W Fay	c						
Ch Andrew ...	c						
... Woodward ...	c						
... McLeitt ...	c						
... Tamen Houghton Mich.	c						
... Green ...	c						
Miss Canwell + 23 ...	c						
Miss + Grenvold 1512 ...	c						
Ch Berge Hamilton N.Y.	c						
Ew. Pennick 708 E Gay	c						
J J Byer ...	c						
Miss or Frank ...	c						
Father Gabriel ...	c						
Miss Lammus ...	c						
Lew Boyd Lynchburg Va	c						

Charge.	Brought Forward.	Total.
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MEMORANDA

25- 2

20

10

25-

500. - 1

50

25-

10

25-

10

Dr. B. G. 20

C. D. 10

\$ 25.00

\$ 2.00 change

20

20

NAME	Sa.	Mo.	Tu.	We.	Th.	F.	Sa.
	9	10	11	12	13	14	15
-Eggleston allauda ga	c						
Mills tax	c						
Geo Stanley, Washington							
L P Breiman Phila Pa	c						
Faithful spent 1017 Harlem	c						
J C Barnes int avg int	c						
Mr S Solomon 904 Hudson	c						
Mr Maury 1727 Broadway	c			c			
W. W. D. Miller Wash D.C.	c			c			
V B Hardwick Newdale Va					c		
A G Hancock Washington					c		
J A Dale York Pa					c		
Rev J A Wiegant Westchester					c		
Mr Hartman 2334 East Pl					c		
G. W. Smith 1704 Hollis St						c	
Mr Collins Sr Louis						c	
Mr Taylor						c	
Mr Johnston Jr. N.C.							
Mr L Coover Brumcum Pa						c	
G C Stover Washington Ind						c	
Mr Kahn of (Columbia)						c	
L Hammond Libertylum Ind						c	
Mr Morris 125 W 8th St						c	
Mr Harsh of						c	
Mr Allinger						c	

Record.

March, 1902.

Charge	Brought Forward.	Total
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MEMORANDA.

25-

100

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0 change

\$100 change

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25-

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25-

100 change

100

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c 100 700

NAME	Sa.	M.	Tu.	W.	Th.	F.	Sa.
	16	17	18	19	20	21	22
Mr Scott. Tennet OH							
Miss D Mc. " "							
Fleet 150 W. Caring St							
Miss Hunt							
T. J. Haywood							
Stole St Louis Mo.							OH
Prof Bierwfeld OH.							
Mrs Schully 2023 McCullish							
Wm Gelsheven 1000 5th ave Ky							
Miss E. Iron Lud ave							
LK Rebert. Cincinnati							
on Road w. - St.							
Isler Kypen OH.							
Miss Shalluck OH							
J. D. Maschke Henderson							
B. P. Huff Louisville							
W. W. Johnson all. cf -							
W. Ellinger Crofield							
W. E. Linn Henderson							
Dr Lemque Pittsburg.							
Wm Leopold 1229 Mad ave							

Charge. Brought Forward. Total.

MEMORANDA

10

7 of large Stone 1st g. med st.
can of accept'n

10 7.

c. d. Jones, \$5.00 to ch

10

200

20

c. d. Jones, \$25 to ch

10

c. d. Jones, \$25 to ch

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	23	24	25	26	27	28	29
Mrs Tullidge. Cincinnati	c	c					
Mrs. Greenbarr 1831 Mass. City	c						
Mrs. Henry Washington	c						
Ed. Russell	c						
Col. L. L. L. L.	c						
Mr. Pulsifer	c						
Ben A. Costa	c						
Mr. Williams	c						
Judge Gray	c						
Judge Wells. Phila	c						
Judge Davis Atlanta	c						
Mr. March	c						
Mr. Small. Balt-	c						
Mr. M. M. M. Washington	c						
Mr. H. H. Strauss Phila.	c						
Mr. J. J. Strouse (child)	c						
B. E. Bates Chestnut Hill, Mass.	c						
Chief Bailey 1028 Calvert St	c						
Mr. Breckman 1663 W. Highland	c						
Mr. ^{W. H.} Dugham 17th & Du-	c						
Mr. Frank Carey Cal-	c						
Mr. K. K. K. 2033 McCall St	c						
J. B. Abbech Union Texas	c	c					
H. L. L. L. Phila 201 Market St	c						
T. M. McCormack d. d. d. d.	c						
Mr. Ales 1606 2 Pratt St	c						
Mr. Tallant. Northampton Mass	c						
Henry B. Baker	c						
Mr. Kahn C. C. O. d. d.	c						
Mr. S. S. S. Jr. - Wilmington del	c						

Charge.	Brought Forward.	Total.	MEMORANDA.
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NAME.

Su	M	Tu	W	Th	F	Sa
190	31	1	2	3	4	5

John in Davis Mexico City	c	c				
W L Captain J. S. Hart		c				
A. J. Hart. Wilmington Del		c				
W. C. Cole. W. Mon. St. City		c				
Dr. Crook's daughter Wash.		c				
Mr. Morgan Chicago Ill		c				
Miss Knapp & Annabell			c			
Miss Riekenberg. 710 W. Fayette			c			
Prof. Chapman Painesville Oh.			c			
Miss Helheim Washington D.C.			c			
Miss Fitch 1501 N. 1st St			c			
Dr. R. 15th. Phila.				c		
Miss Bell Portland Me.					c	
Dr. Reid. Wash. D.C.						c
G. M. R. C. C.						c
Miss V. Hagerty - Staff						c

Charge.	Brought Forward.	Total.	MEMORANDA.
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68

in winter.

c. n. 1716. *Fr. + 101, 11, 12*

10

30

10

10

20

26-

(*M. jappa*, Viet Nam, Neurath's
heart attracts,

	Sat.	M.	Fri.	W.	Th.	F.	Sa
NAME.	6	7	8	9	10	11	12
E A Brenner 40 King St. Ind.	c						
Mrs Mary Washington	c						
Judge Gray " "	c						
Dr. Will Atlanta. Ga	c						DTH
Mrs Jameson 1521 Dundas	c						
Mr Wechsinger 2107 Bldg	c						
Mr Jones	c						
Mr Cole 115 W Main St	c						
Mrs Warden Wash. Dc	.						
Mr Sengender Remsburg Ia	c						
Mrs Schenck 223 N High	c						
Mr Kernerman	c						
Mr Penn Kake Romney W Va	c						
Mr Platt " "	c						
L. Hamburgers on.	c						
Mrs Lauenbach c or F.	c						
Mrs Gilly Grandville Md	c						
Mrs Scheer 2000 Bolling St	c						
Mr Hartwell C.D.H.	c						
C L Bailey Ardmore Pa	c						
Mr C L Worth Little Riv.	c						
Mr Sillenberg Cal.	c						
Mr Sonnenborn	c						
Prof. Richards Cal.	DTH						
G T Smith Gray City Ky	c						
Ir. A. Nelson Montreal	DTH						
G Mrs Robinson " "	DTH						
Mrs Emily Savolga Spgs.							
J T Barber Eau Claire Wis	c	c					
Mr Joseph Kullen 1924 East Pl	e						

Charge. Freight
Forward. Total.

MEMORANDA.

25

10

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25

10

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20

c or Blues

8 25

10

c in 1901.

25

c or Thayer.

10

20

10

20

secondary 20 c

Lives at the Patten residence.

no Orleans.

Deluth mem.

no Reed

Govanston rd.

no Thayer

1811. or Thayer st.

no Gayle

Barnham st.

to the Cemetery

2 mtd

10

100

NAME.	Sa.	M.	Tu.	W.	Th.	F.	Sa.
	13	14	15	16	17	18	19
For Haleson. Salem Va							
2 a met. gas 2104 Callwa							
En to y. m. y. allegany co. Pa							
of E. of lect. St. Marys Pa							
J S Curry Wash. Dc							
Senator in Court.							
Mrs J H Davis Salem Mass							
Mrs Roy Belle Fink Pa							
Mrs Holmes 2003 - Ind. Pa							
Mrs Blair Lee Wash. Dc							
Mrs M. M. Duffevaler Mass. Dc							
Gen Wheaton Wash. Dc							
W E Adams Allen Va							
Mrs Barrett The seven.							
W Fisher Jr. 132 W Mt Pleasant							
Mrs Farr Union Sc							
Mrs McGrath Yokohama Japan							
Jas R Keesan Wash. Dc							
Dr. A M. Hamilton N.Y.							
Mrs Long med St. Dc							
Mrs. L Lewis D. K. St. Dc							
Mrs Haleland Wash Dc							

Charge.	Brought Forward.	Total	MEMORANDA.
25-			
10			
10			
10			
25-			
25-			Washington
25-			paid
			B. O. to change
10			
10			
			C. O. Blank
25-			
25-			
25-			
10			

NAME.

Su.	M.	Tu.	W.	Th.	F.	Sa.
20	21	22	23	24	25	26

2 Salw. Gungslinn Ohio c
 Mrs J D Carmody 314 9th c
 H Peless Mad & North. c
 Daniel Pratt Pullerlede c
 Mrs dynchburg Va c
 Dean Laughlin Pullaburg Va c
 u Derry Cleveland Ohio c
 Mr Kroh. Ct c
 Mrs Barney Washington c
 L. & Pannepfote. Wash. c
 Mrs Gladys Munkel Ct c
 Mr Culp. Hartburg. Ct c
 J. L. Lorman. Ct c
 Mrs Sherrick 1406 Madison c
 Mr. Lonsdale 1921 N. Hill ave c
 W Brown Mt Carbon. c
 Gen Colles Gettysburg Pa c
 H J. Johnson 1111 Myrtle ave c
 R R Chumatz - Ohio c
 R. O. Orr - Illinois
 Mrs Hunt to

Charge.	Brought Forward.	Total.
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MEMORANDA.

50

25

Washington or

10

25

25

C. O. Garrison

\$25.00

C. O. Preston

C. O. Kumburg

25

25

10

25

2000

NAME.

Sa	M.	Tu.	W.	Th.	F.	Sa.
27	28	29	30	1	2	3

Carr The Glades. c
 Hodge Gray L. no longer c
 M. Sigel Salem Ala. c
 J. P. Turnbull Hartford Ct. c
 Mrs. A. P. Price. Louisiana c
 Mr. Hugh. c
 Mrs. O. Graham. Or. c
 John D. Henry St. c
 J. Schless Cor. Roca c
 Mrs. Carr Montreal c
 Francis White. c
 J. Whitney 107 W. Main St. c
 Mrs. Morris at City R. c
 Mrs. S. D. Penderfer c
 Mr. Engle 222 Camden St. c
 Mrs. A. Gault Montreal c
 Mrs. Mabel Gault " c
 Mr. Gilbert Colorado. c
 Mrs. Orbach 1404 W. Main - c
 Mr. Hancock Wash. D. C. c
 Mr. R. R. Hall. c
 Graham Bell. Wash. D. C. c

Charge.	Brought Forward.	Total.

MEMORANDA

one length. \$100.00

Mother of Mr. Turnbull of Albany, N.Y.

20

10 C. W. McCord

Reg. Linn.

\$15.00 to day

25

10

20

30 Pa.

113 Commerce St.

10

10

With Mr. Lenthorn

10

305. Richard Post Lane. C. W. Smith

\$25.00 to day.

NAME	Su.	M.	Tu.	W.	Th.	F.	Sa.
	4	5	6	7	8	9	10
Glo A Reune, Mc. Ind. or d.							
Mrs Wallace 406 A St. "							
Mrs Fleming 707 P. St. "							
Frank Smith 27 E 31. N Y							
Mrs Parmelee, Cleveland, Oh							
Mr Merrill. U S A. Wash.							
C Dr. Horn							
Mrs F K Caray							
Mrs Riernan							
Alex Frank 1506 Eut. Pl							
Mrs Mitchell 1910 W. Ball.							
Mrs Harlow. (Dr. Harlow)							
Mrs Cole 113 W. Main St							
Mrs A C Thompson. Int Royal							
Mrs. Foverman. City-							
Mrs M E Triplett Int Jackson Va							
W & Read Circum Bldg Wash. D.C.							
P H Pugham Harrisburg Pa							
Com. Collman us n 1707 Ruff P.							
Dr Clarkson (unc) Va							
Mrs Bowie Wash. D.C.							
Mrs & Gubman (Ch) Mrs H G							
Mrs. and Mrs. Sutcliffe Ave							
Mrs. Marsh. Charleston SC							
Mrs. Berg 107 N. Main St							
Mrs. Smith 184 Eut. Pl							
Mrs. Price 1435 W. Main							
Col Thompson. Harrisburg Pa							
Jo Preston 2210 Eut Pl							
Mrs Jones 112 Laff. Ave							

Charge. Brought Forward. Total.

MEMORANDA.

25-

10

Washington \$100 to day

20 to change

10

10

10

25-

20

100 to change.

Dr. 10

\$10 3500 to 10 and

16 2 72 and 51 N.Y.

Boston Mass

Washington D.C.

Washington D.C.

Cal.

Miss Susan Trapp

Charles Summers

Miss Taylor

Miss Wenden

Blumlee

Miss Wenden

Miss Wenden

10

10

20

10

25-

10

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	11	12	13	14	15	16	17
Mc Kaig Cumberland							
Capt Bellups city							
Mr. Kurtz Trappe Ind							
Ed Pauncetole Wash							
Mrs Walcott. (D.H.)							
Wash. D.C.							
Mr Robinson 636 E. 4th St							
Col. Wagner W. 2							
Gr. Key 713 W. 4th St							
Mrs Dornst. (in 1/2)							
Rev. & Gratten Buffalo. D.H.							
Mrs Muller C. D. 7. av. 1							
Mrs Carroll Lynchburg							
Frank Thompson. Wash. D.C.							

Charge.	Brought Forward.	Total.
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MEMORANDA

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10

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5/11/02 Adams - D. Thompson - 11 12

25-

ad

25-

NAME

Su.	M.	Tu.	W.	Th.	F.	Sa.
18	19	20	21	22	23	24

^{F. J.}
Judge Washburne Deadwood.

Butler Co. Ga. Traveler's

Atlanta, Ga.

charge.

Brought
Forward

Total.

|

MEMORANDA.

S.D. \$100 to charge.

NAME.

S.	M.	Tu.	W.	Th.	F.	S.
25	26	27	28	29	30	31

Byden Edward G. Pillsbury, Jr. c c

illuminated

Barges.

Brought
Forward.

Total.

MEMORANDA.

\$ 100.00

NAME.	Su.	M.	Tu.	W.	Th.	F.	Sa.
	1	2	3	4	5	6	7
2. white new wife							
Mrs B Watkins Dushy							
Mrs Hazwell St James							
Mrs Cook 812 St Paul							
Mr Ballou Providence R.I.							
Mr E Russell Asheville N.C.							
Miss Rucker Denver Col.							
Mrs Dr Hoffmann							
Mrs Dr Scott Hyndham							
Dr. Brown U.S. Ithaca N.Y.							
Mrs Levy 927 Argyle ave							
Mr Kell Chesler St.							
Mrs Tisdell 804 Ost. Ave							
Mr Slungis							
Miss Stone Grandview							
Mrs Sander Hale							
Mrs McSherry							
Mrs Van Orden, Fuses.							
Mrs Harrison, Roland Plk.							
Mrs E Mcclary, Towns ms.							
Dr Longyear Belmont Mich.							
Mrs Lang Taranak Ga.							
Dr Reynolds Hamilton Ont.							
Mr Foltz, Mad. ave							
Mrs Ewell 807 N. Lexington ave.							

Charge.	Brought Forward.	Total.	MEMORANDA
---------	------------------	--------	-----------

NAME.

Sa.	M.	Tu.	W.	Th.	F.	Sa.
8	9	10	11	12	13	14

Miss Bolling Burles Staden c
 Mr Earle Birmingham ch c
 Mr Caldwell " " c
 Miss Cranston Peppah c
 Miss Lee
 Mr O. Hoffmann, M.A. c
 Mrs Mrs. Lavalley c
 Mr Robinson Washington M.
 Mr Jones Henderson c

a in as Lavalley

Charge	Brought Forward.	Total	MEMORANDA.
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1-2 25 8 ch

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in the morning

June, 1902.

Daily

NAME

Su.	M.	Tu.	W.	Th.	F.	Sa.
1	26	27	28	19	20	21

Mr	Wm. L. L. L.	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	Corris	St. L.	St. L.	St. L.	St. L.	St. L.
W H	Allen	St. L.	St. L.	St. L.	St. L.	St. L.
Father	Devine	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	Clark	St. L.	St. L.	St. L.	St. L.	St. L.
H C	Conwell	3017	St. L.	St. L.	St. L.	St. L.
R C	Cammer	Peterburg	St. L.	St. L.	St. L.	St. L.
S M	Graham	510	St. L.	St. L.	St. L.	St. L.
Mr T F	Rollins	Wash. St.	St. L.	St. L.	St. L.	St. L.
Ward	Faul	1416	St. L.	St. L.	St. L.	St. L.
Mrs	Butler	54	St. L.	St. L.	St. L.	St. L.
Mr	Conwell	St. L.	St. L.	St. L.	St. L.	St. L.
Mr	Dieckman	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	Pearl	St. L.	St. L.	St. L.	St. L.	St. L.
W G	Leas	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	Breeze	1121	St. L.	St. L.	St. L.	St. L.
Mr	Burres	St. L.	St. L.	St. L.	St. L.	St. L.
Mr	Reuben	St. L.	St. L.	St. L.	St. L.	St. L.
F	Newsham	Brooklyn	St. L.	St. L.	St. L.	St. L.
Dr	Balthus	Savannah	St. L.	St. L.	St. L.	St. L.
Mr	Wm. L. L.	St. L.	St. L.	St. L.	St. L.	St. L.
Mr	C. Thompson	St. L.	St. L.	St. L.	St. L.	St. L.
C H	Brown	2104	St. L.	St. L.	St. L.	St. L.
Mr	Schott	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	Blair	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	McClary	St. L.	St. L.	St. L.	St. L.	St. L.
Mrs	Harry	Friedman	St. L.	St. L.	St. L.	St. L.
Mr	Whitehead	St. L.	St. L.	St. L.	St. L.	St. L.
Mr	Culbert	Washington	St. L.	St. L.	St. L.	St. L.
Mr	James	St. L.	St. L.	St. L.	St. L.	St. L.
Mr	W. L. L.	St. L.	St. L.	St. L.	St. L.	St. L.

Charge.	Brought Forward.	Total.
---------	------------------	--------

MEMORANDA

60

Sept: 7 Mule ranch

Chast. & Hesse. 1896
Washington D.

25

23-

25-

21

10

10

copy - to H. P. New. #20 July 1st 1884

10

25-

20

10

28-

Brocklyn, near, Town 257

25-

10

6. 2. 4. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839

10

Mr. Jones W. Va. 1810
Mr. Fulerstein. Sweden 20
Mr. Everett. Newellville Va. 25.

st

June, 1902.

Daily

NAME

| Sa. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |

Charge.

Brought
Forward

Total.

MEMORANDA

June-July, 1902.

Daily

NAME

| Su | M. | Tu | W. | Th | F. | Sa |
|----|----|----|----|----|----|----|
| 29 | 30 | 1 | 2 | 3 | 4 | 5 |

Charge. Brought
Forward.

Total.

MEMORANDA.

July, 1902.

Daily

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |

| Charge. | Brought
Forward. | Total. |
|---------|---------------------|--------|
|---------|---------------------|--------|

MEMORANDA.

NAME

| Sa. | M. | Tu. | We. | Th. | F. | Sa. |
|-----|----|-----|-----|-----|----|-----|
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |

Record.

July, 1802.

31

Charge.

Freight
Forward.

Total

MEMORANDA

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |

Record.

July, 1902.

93

Charge. Brought
Forward.

Total

MEMORANDA.

NAME

| Sa. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 27 | 28 | 29 | 30 | 31 | 1 | 2 |

Record.

July August, 1902.

417

Charge Brought
Forward.

Total.

MEMORANDUM

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |

Charge.

Brought
Forward.

Total.

MEMORANDA.

August, 1902.

Daily

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Change.

Total.

MEMORANDA

NAME.

| Sa. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |

| Charge. | Brought
Forward. | Total. |
|---------|---------------------|--------|
|---------|---------------------|--------|

MEMORANDA.

NAME

| Su | M | Tu | W. | Th. | F. | Sa |
|----|----|----|----|-----|----|----|
| 31 | 25 | 26 | 27 | 28 | 29 | 30 |

Record.

August, 1903.

| Charge | Forward | Total. |
|--------|---------|--------|
|--------|---------|--------|

M. S. C. A. N. C. A.

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 31 | 1 | 2 | 3 | 4 | 5 | 6 |

| Charge. | Brought
Forward. | Total. |
|---------|---------------------|--------|
|---------|---------------------|--------|

MEMORANDA

September, 1932.

Days

NAME

| SR. | M. | TH. | W. | TH. | F. | S. |
|-----|----|-----|----|-----|----|----|
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |

Record.

September, 1902.

| Charge | Amount | Total |
|--------|--------|-------|
|--------|--------|-------|

MEMORANDA

NAME

| Sa. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |

Mr

P. H.

} number

c

in

hand

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c c

| Charge. | Brought Forward. | Total. |
|---------|------------------|--------|
|---------|------------------|--------|

MEMORANDA.

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|-----|---|-----------|
| 257 | 5 | St. Louis |
|-----|---|-----------|

| | | |
|---|---|------------------------|
| 6 | 2 | Redwood St. & Stewart. |
|---|---|------------------------|

September, 1902.

Daily

| NAME | S. | M. | Tu | W. | Th | F. | Sa |
|-------------------------------------|----|----|----|----|----|-----|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Her 2000 Lund ave | c | | c | | c | | |
| Q. A. Ferguson 1216 E. Parker | c | | | | | | |
| Mrs Booth Pillsbury Pa | ✓ | c | | | | | |
| William Cleveland | ✓ | c | | | | | |
| Mrs Goodnow 95 Riverside | ✓ | | c | | | | |
| Dr. H. B. Leland New Brunswick N.J. | ✓ | | c | | | 776 | |
| Dr. Morrow, Knoxville Ky | ✓ | | c | | | 776 | |
| Mrs Dr. Horn Cumberland Ind | ✓ | | c | | | 776 | |
| Mrs. McIntgomery | 15 | | c | | | | 262 |
| St. C. J. Hayler 4 W. Car. | | | | c | | | |
| M. Cooper 251 E. Burt | | | | c | | | |
| Mrs S. A. Jeremiah | | | | c | c | | Stem |
| Mrs A. Bloom 3024 Union | | | | c | | | Stem |
| Mrs Silverman 387 1/2 St. | ✓ | | | | c | | Stem |
| Mrs Blair Lee | | | | | c | | |
| David Dunlop, Pillsbury Pa | | | | | | c | |
| Mrs S. B. Loeb - 1819 Dundee | | | | | | | c |
| Mrs Henry Shoemaker | | | | | | | c |
| Mrs A. L. Straus | | | | | | | c |

Charge

Debit

Total

MEMORANDA.

10

25-

25-

Dine New York

2620 Oak St. C or the house

for Bureau 81 days

10

P. H.

Sherman Texas

10

T. C. C. C.

10

New York.

2500 2500

Cincinnati 48 15.4 per 100 dg.

2340 int. New York

| NAME | Su. | M. | Th. | W. | Th. | F. | Sa. |
|------------------------------|-----|----|-----|----|-----|----|-----|
| | 28 | 29 | 30 | 1 | 2 | 3 | 4 |
| Mr Stoppel . of | c | | | | | | |
| Commercial 823 Madison | c | | | | | | |
| Dr. H. H. H. H. H. H. | c | | | | | | |
| Chas. H. H. H. H. H. | c | | | | | | |
| W. W. H. H. H. H. H. | c | | | | | | |
| Dr. H. H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |
| Dr. H. H. H. H. H. | c | | | | | | |
| Mr. H. H. H. H. H. | c | | | | | | |
| Dr. H. H. H. H. H. | c | | | | | | |
| Dr. H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |
| Mr. H. H. H. H. H. | c | | | | | | |
| W. R. Warner 1722 Euclid Ave | c | | | | | | |
| J. Eisenman 1910 Euclid Ave | c | | | | | | |
| H. L. H. H. H. H. | c | | | | | | |
| Dr. H. H. H. H. H. | c | | | | | | |
| R. H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |
| Miss H. H. H. H. H. | c | | | | | | |

Brought
Forward

Total

MEMORANDA.

10

25

20

50

1431 Park Ave
The Sherwood

100

C. W. Meltzer & Ludley, of N. Y.

25

Phila

1801 7th St. Wash. \$100 to change.

10

Cleveland \$100 to change.

10

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21 E 11th St. New York.

NAME

Su. M. Tu. W. Th. F. Sa

5 6 7 8 9 10 11

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----------------|-----|----|-----|----|-----|----|-----|
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Mrs. McLean | | | | | | | |
| Mrs. McLean | | | | | | | |
| Mrs. Taylor | | | | | | | |
| Mr. Dushell | | | | | | | |
| Mrs. Green | | | | | | | |
| Mrs. King | | | | | | | |
| Mrs. Pugh | | | | | | | |
| Mrs. Richardson | | | | | | | |
| Dr. Smith | | | | | | | |
| Prof. Kerner | | | | | | | |
| Mrs. W. Jones | | | | | | | |
| Mr. Langlois | | | | | | | |
| E. C. Good | | | | | | | |
| Mrs. Cathcart | | | | | | | |
| Capt. Brown | | | | | | | |
| Dr. Jeff | | | | | | | |
| Mrs. Blair | | | | | | | |
| Mr. Hirschberg | | | | | | | |
| Gov. Jackson | | | | | | | |
| Mrs. Welch | | | | | | | |
| Mrs. Lumsden | | | | | | | |
| Mrs. McNeill | | | | | | | |
| Mrs. Conway | | | | | | | |

Record.

October, 1902.

17

| Charge. | Brought Forward. | Total. |
|---------|------------------|--------|
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MEMORANDA

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Redman 21 1 00

NAME.

Sat. M. Th. W. Th. F. Sat.
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|-----------------------|--------------|----|---|--|----|--|---------|----|
| Miss Wood Cumberland | 22 | a | c | | | | | |
| J. G. Oglesby Atlanta | ga | | c | | | | | |
| Miss Anna Ravenel | | | c | | | | Charles | sc |
| John Mason Aberdeen | ms | | c | | | | | |
| Miss Colman | 1721 Madison | | c | | | | | |
| Mr. Henry. Pittsburg. | | | c | | | | | |
| Mr. Pittsburg | Pa | | c | | | | | |
| W. Stoll | 1222 St Paul | | | | c | | | |
| C. Friedman | 857 Adams | | | | c | | | |
| W. Turner | Lutherville | ms | | | c | | | |
| Mr. Williamsport | Pa | | | | c | | | |
| Miss Van Hook | Wentworth | ms | | | c | | | |
| Miss Van Hook | Blackburn | ms | | | c | | | |
| Mr. Sturges | Washington | Pa | | | | | c | |
| David Dunlop | | | | | vs | | c | |
| Miss Emma Graham | | | | | g | | c | |
| J. C. Wallen | Orange | va | | | | | c | |
| Mr. Beverley | The Plains | va | | | | | c | |
| W. Gibson | Williamsport | Pa | | | | | c | |
| Wallen Buck | 1228 St Paul | | | | | | c | |
| Mr. W. Butler | Prairie | ms | | | | | | c |
| Mr. Kahen | c on Hambro | | | | 6 | | | c |
| Miss Lucy James | St. James | ms | | | | | c | |
| Miss James | | | | | | | | |
| Ed. White | Graham | ms | | | | | c | |

25

NAME

S. M. T. W. Th. F. Sa.
 10 11 12 13 14 15

Mrs Brown 210 4 2 cha c
 W n was. Salem wva ✓ x c
 T J Kainan Galveston Tex ✓ c
 St G. Fitzhigh Fredericksburg ✓ c
 Nelson White Cincinnati Ind ✓ c
 Mrs S. O. Bolger ✓ c
 Justice Beckham ✓ c
 Mrs Gust L Hustonville Ky ✓ c
 Mrs L Clark Elbert Col ✓ c
 R N Jackson. (SE Ind) ✓ c
 Wd Howe 29 Keokuk St 5 c
 Howard White Blanchef- ✓ c
 Mrs Hohlman Ind 6 c
 Mrs Tay Cor 2118 St Paul c
 JH Eaton Nashville Tenn c
 Miss Rathwell Montreal Can c
 Mrs Clark. c on Reel. 57 c
 Mrs M P J. N.Y. c

| Charge. | Brought Forward. | Total. | MEMORANDA. |
|---------|------------------|--------|--------------------------------|
| 20 | | | \$10 to charge |
| 25 | | | 14 White Line Trail Route |
| 10 | | | C of T. L. Land to M. B. B. B. |
| | | | Washington \$100 to charge |
| 10 | | | |
| 25 | | | |
| 10 | | | |
| 50 | | | |
| 25 | | | |

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 6 | 7 | 8 | 29 | 30 | 31 | 1 |

Mr. J. A. Dea dt ✓ c

Dr. J. A. P. Phala dt ✓ c

Col. Andrews. Raleigh. ✓ c

Mr. Shepherd Bristol dt ✓ c

Miss Patton Richmond dt ✓ c

Mr. Nelson. Frederic dt ✓ c

Miss J. Rubel Birmingham dt ✓ c

Mr. Henry St. Louis dt ✓ c

Miss H. H. 1724 The City dt ✓ c

Mr. Marmion. Richmond dt ✓ c

Mr. Fry Ala ✓ c

Mr. Coleman ✓ c

W. A. L. R. H. i. m. 8222

| Charges | Received | Total |
|---------|----------|-------|
|---------|----------|-------|

MEMORANDA

Cleveland, Ohio. \$14.00 exchange

25

10

25

10

25

\$15 exchange

in balance

100 exchange

\$206.00

20

NAME.

| Mo. | Tu. | We. | Th. | F. | Sa. | Su. |
|-----|-----|-----|-----|----|-----|-----|
| 2 | 1 | 2 | 3 | 4 | 5 | 6 |

| | | | | | | |
|----|-----------------------------------|---|--|--|----|--|
| 27 | O'Brien 934 Frank. | c | | | | |
| | Mr Clappett 504 Bryant | c | | | | |
| | Thos. Mackenzie of | c | | | | |
| | Herbert Lyman Boston | c | | | | |
| | Rev Brown 2104 N. Ches | c | | | | |
| | Mr O'Donnell | c | | | | |
| | Miss & Miss Zell | c | | | | |
| | 9 E Munroe 503 N. York | c | | | | |
| | St. Menley | c | | | | |
| | Dr. Wrentham - Bath | c | | | | |
| | Miss J. Price | c | | | | |
| | Mr. Carlson Buffalo, N.Y. | c | | | | |
| | Rev Mr Perry Wash D.C. | c | | | ON | |
| | Mr. Newson, Congo w. of | c | | | | |
| | Rev. Ferguson Berkeley, Cal. | c | | | | |
| | Miss M. S. Southwood - Miss | c | | | | |
| | Mr. D. Murray Amherst, Mass. | c | | | | |
| | Dr. L. M. H. + 2, N. York | c | | | | |
| | 9 E. Hamilton - Wash. D.C. | c | | | | |
| | Rev F. Henningshausen of - ON | c | | | | |
| | Father Ferme of - ON | c | | | | |
| | Rev R. H. Taylor Calverville, Mo. | c | | | | |
| | F. W. Hadden Wilmington, N.C. | c | | | | |
| | John H. H. - | c | | | | |
| | Mr. J. H. Townsend | c | | | | |

| Charge. | Brought Forward. | Total. |
|---------|------------------|--------|
|---------|------------------|--------|

MEMORANDA

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|----|--|---------------|
| 10 | | Washington Dr |
|----|--|---------------|

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| 25 | | |
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|-----|--|----------------------------|
| 100 | | 1229 N. Ave Wash. & McGill |
|-----|--|----------------------------|

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| 10 | | 1613 Culam Pl. |
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| | | D. C. Russell |
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| | | \$100 to charge |
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| 25 | | 1751 N. Ave. |
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| 25 | | |
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| | | & on Renton. Hodgkins Dr |
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| | | |
|---|------|----------------------|
| 2 | 2121 | mass ave. Washington |
|---|------|----------------------|

Charge. Brought Forward. Total

MEMORANDA.

10

bill to J. Mayer - 16/8 paid

Nov. 1 Rev. E. X. Funt

5.00 for postage
and on.

25-

10

15-

10

1000 m. l. n.

\$ 25- to ...

pd 930

Washington D.C.
102 W. Mon. St. C-1

25-

20

25-

Mrs. Pierce
Mrs. Davis

| NAME. | Su. | M. | Tu. | W. | Th. | F. | Sa. |
|--------------------------------|-----|----|-----|----|-----|----|-----|
| | 18 | 17 | 18 | 19 | 20 | 21 | 22 |
| 10 - 1 Highell dymchters va | v | c | | | | | |
| 14 Mr Bozken Richmond Ky | v | c | | | | | |
| Mrs Prayham Ct. ga | v | c | | | | | |
| Mrs & Smith Birmingham Ala | v | c | | | | | |
| 14 H Kellwell. Phila | v | c | | | | | |
| on Crook's daugh. Wash. D C | v | c | | | | | |
| W Field. St. Rdway | v | c | | | | | |
| John Stillman. Cal. | v | c | | | | | |
| J T Flood. Curles Bay | v | c | | | | | |
| Sis Wilfred Laurier. Can. | v | c | | | | | |
| W. Prester. New York | v | c | | | | | |
| Wm Brown 2105 N Chas | v | c | | | | | |
| Wm. W. t. W. C. | v | c | | | | | |
| Mr Fitzgerald Pr. ancee | v | c | | | | | |
| on Hough Honey Pass Sc | v | c | | | | | |
| John Jay White 5605 Thave N.Y. | v | c | | | | | |
| Mrs Shelly Birmingham Ala | v | c | | | | | |
| Mrs Parmelee Cleveland Oh. | v | c | | | | | |
| Mrs Phelan. Phelan's | v | c | | | | | |
| Mrs Burke. Girardstown Ind. | v | c | | | | | |
| Mr N L Thomas Alex. Va | v | c | | | | | |
| Mr R. G. L. 125 - as Smith St | v | c | | | | | |

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1000 E Main. \$25 to ch. 1d.
 W. L. Trayham. 545 Beech St. Atl. Ga.
 C. W. Brown. \$25 to ch.
 C. W. Brown. \$25 to ch. 1d.

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C. W. Brown. \$10 to charge.

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| Franklin field 2010 Mass. m | | | | | | | |
| Miss Macy 1762 Mass. m | | | | | | | |
| Mr R. Townsend. 574 | | | | | | | |
| Dr. G. H. Mann Columbus Ohio | | | | | | | |
| Dr. H. Carey Cal. | | | | | | | |
| Capt Stoney 165 N | | | | | | | |
| Miss Hargrave 617 W Biddle | | | | | | | |
| Dr. J. H. Kerner 1729 Bollen | | | | | | | |
| Mr. H. L. Johnston Leach. 20 | | | | | | | |
| R. Gault Montreal | | | | | | | |
| Mr R. L. Mensch 574 | | | | | | | |
| James Salzman 1673 Lapham | | | | | | | |
| US Roubenfeld 167 | | | | | | | |
| CC Mungsterman | | | | | | | |
| DC Weller 102. N. C. 167 | | | | | | | |
| Dr J. O. Tinner. Med. St. 167 | | | | | | | |
| Dr. Trew 205. N. C. 167 | | | | | | | |

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Jr. Kirk. c. -

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Mrs. Marsh.

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Mrs. Marsh. Jr.

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Mrs. Jackson Greenfield. v c

S. M. Tyree. Frankfort. v c

W. T. Pierce. B. Chas. 0 c

Mrs. Wagner. Charleston. c

Miss Higgins. Chicago. Ill. c

Mrs. Brown 2104 N. Chas. c

Geo. Peterson. c. -

c

Mrs. Kirzon 520 10 Sharp

c

or J. Kirk. Nantua Va. c

c

Miss H. L. Davis Petersburg. v

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Mrs. Plummer South St. Mary. 0

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L. H. Kinsman. Montgomeryston. v

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Mr. A. O. Blackmore. Columbus Ga. c

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Mrs. W. H. Lennore 7526 N. Chas. c

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Mrs. Caldwell's child Staunton Va. c

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J. F. Hays. N. Chas. c

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Mrs. Lee c

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| | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Miss Cox 1609 OSt. Wash. | c | | | | | | |
| Miss Carter | c | | | | | | |
| Mr. Kenney 12 Cr. Wash. | c | ✓ | c | c | c | c | c |
| Miss Sutherland OSt. | c | | | | | | |
| James Reese 830 Fulton | | | | | | | |
| Miss Munnier 1000 4th St. | c | | | | | | |
| 2 B Champion 1000 4th St. | c | | | | | | |
| Dr. Williams 1000 4th St. | c | | | | | | |
| 1 R Downe 1000 4th St. | c | | | | | | |
| L. H. Hargreaves 1000 4th St. | c | | | | | | |
| D. F. Cannon Concord Nc | ✓ | c | | | | | |
| V. A. Schmitt | ✓ | c | | | | | |
| Dr. Trew 1000 4th St. | c | | | | | | |
| Mr. Bauls 1000 4th St. | ✓ | c | | | | | |
| Miss Dode 1000 4th St. | ✓ | c | | | | | |
| Mr. Adelsdorf 1000 4th St. | ✓ | c | | | | | |
| Charles Schriver 1000 4th St. | c | | | | | | |
| Capt. Cabell 1000 4th St. | | | | | c | | |
| BE Hammett 1000 4th St. | | | | | c | | |
| Mr. J. L. Anderson | | | | | c | | |
| Miss Bartlett 1000 4th St. | | | | | c | | |
| Miss Brown 2105 4th St. | | | | | c | | |
| Mr. Tom Fortis 1000 4th St. | | | | | c | | |
| Miss O. Hille 1000 4th St. | | | | | c | | |
| Miss Scaife 1000 4th St. | | | | | c | | |
| E. & Marsh 1000 4th St. | | | | | c | | |

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| Mr. West-2030 Ave. | c | | | | | | |
| Mr. Summers | c | | | | | | |
| Chas. A. Long & Co. N. Bk. | c | c | | | | | |
| Wm. J. Taylor, President, Bk. | c | c | ind. | | | | |
| James T. Allen, President | c | | | | | | |
| Chas. H. Allen, President | c | | | | | | |
| Paul & Co. Sullivan | | | c | | | | |
| Wm. Lee, Frank | | | c | | | | |
| Mr. Lutz, Hebrew Bk. | | | | c | | | |
| Wm. Cuffy, Oyster Bay | | | | c | | Off | |
| Wm. F. Franklin, Bk. | | | | c | | | |
| B. & Webb, Wellsboro Bk. | | | | c | | | |
| David, Taylor, Bk. | | | | c | | | |
| Mr. Brown, 2104 N. Chas. | | | | c | | 161 | |
| Mr. Brown, 1921 Ganett Ave. | | | | c | | | |
| Mr. Schels, Bk. in Wm. | | | | | c | c | |
| Mr. C. & Co. 220 N. Bk. | | | | | c | | |
| G. R. Webb, Ind. Tel. Bldg. | | | | | c | | |
| Mr. Ford | | | | | | c | |
| Mr. H. & Co. Bk. | | | | | | | c |
| Wm. Reed, Coalham Bk. | | | | | | | c |

| NAME. | Su. | M. | Tu. | W. | Th. | F. | Sa. |
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| Mr. Weckl. 1st N Adams | c | | | | | | |
| Mr. Weckl. 2nd N Adams | c | c | c | c | | | |
| Mr. Thompson Ruler & Co | v | | | | | | 8 |
| Jas. Shuttles Piece Co. Chi. | c | | | | | | 2 |
| Dan. Waler Toronto O | v | c | | | | | 20 |
| C H Lyneville Pittenille Md | v | c | | | | | 16 |
| Dr. Bolger's Child Mort 3 | e | c | | | | | |
| Mr. Hecksinger 2107 | | c | | | | | |
| Ed. de Pysler Tivoli N.Y. | v | | c | | | | 25 |
| Mr. Wilson Westward Ind | v | | c | | | | |
| Misses Corle & Sons | | c | | | | | |
| Mr. Conley | | c | | | | | |
| Count Mouton Washington D.C. | | | c | | | | |
| Mr. Keens' Charlotte Me | | | c | | | | 3 |
| Dr. B.B. Brown Son, Ont | | | c | | | | |
| Mr. Tieffer Mulrod | v | | | c | | | |
| Mr. McWilliams Rockingham Me | | | | c | | | 25 |
| Miss Schiff 1906 Mad Ave | | | | c | | | |
| Mr. Went 75th New York | v | | | | c | 2 | St. Mary |

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| Mr. Van H. | c | | | | | | |
| Mr. Boyle Seattle Wash | c | | | | | | |
| Mr. Knapp 439 Steller | c | | | | | | |
| John Graham 2012 Ind. A. | c | | | | | | |
| Mr. Richardson 1701 R. D. Ave | c | | | | | | |
| Mr. Manning | c | | | | | | |
| Mr. Fine 1084 S. 1 | | | c | | | | |

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GENERAL MEMORANDA

- 21 ~~Mr. G. C. Brown~~ ~~Birmingham~~
 " ~~Mr. Osborne~~ ~~121 W. Adams St~~
 27 ~~Mr. Taylor~~ ~~818 Park Ave~~
 " ~~Mr. [unclear]~~
 " ~~Mr. [unclear]~~ ~~Forrest Ave~~
 " ~~Mr. [unclear]~~ ~~111 [unclear]~~
 29 ~~Mr. [unclear]~~ ~~1819 [unclear]~~
 31 ~~Mr. [unclear]~~ ~~601 Park Ave~~
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GENERAL MEMORANDA.

- 15 ~~Geo. R. M. 1000~~ ~~St. James Hotel~~
 16 ~~J. A. Trauer~~ ~~Forest Glen~~
 17 ~~Chas. S. Baker~~ ~~324~~
 18 ~~St. Mark's~~ ~~St. A. Abbey~~
 19 ~~Miss S. J. L.~~ ~~Miss S. J. L.~~
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- " 28 Mrs. ~~Wells~~ Kamm 1500 Mc Culloch St.
- " " ~~A. Baker~~
- " " ~~140 Pine Ave. 50 Pine~~
- " " ~~Schultz~~
- " " ~~St. Louis 700 1st Place~~
- " 30 C. A. ~~Went~~ 119 ~~St. Louis~~
- " " A. J. ~~Went~~ 1st
- " " ~~Went~~ 1501 ~~St. Louis~~
- " 31 ~~Went~~ 507 ~~1st St~~ Bldg -
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- " 4 Mrs. ~~Went~~ ~~St. Louis~~
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| | | David Smith | | Polsonburg | | |
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| | | Wm. G. Hall | | 11 1/2 St Paul | | |
| | | J. G. Hall | 2 1/2 | St Paul | | |
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Obstetric Engagements and Practice.

| NAME OF CHILD. | No. | Sex | Race. | Weight. | Height. | Presentation. | Address. |
|----------------|-----|-----|-------|---------|---------|---------------|----------|
| 3. | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 21 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 500 | | | | | | l. l. | |
| 100 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 20 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 100 | | | | | | l. l. | |
| 30 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
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| 100 | | | | | | l. l. | |
| 20 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 25 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
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| 15 | | | | | | l. l. | |
| 750 | | | | | | l. l. | |
| 25 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 11 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 20 | | | | | | l. l. | |
| 10 | | | | | | l. l. | |
| 25 | | | | | | l. l. | |

Obstetric Engagements and Practice.

| NAME OF FATHER | NAME OF MOTHER | AGE | Year | Month | Day | Engage. | Pract. |
|----------------|-----------------|------|-----------------|-----------------|------|---------|--------|
| | | | Menst. | Confr. | Del. | | |
| X 13 | Mrs Helen | 15 | 10 | Biddle | | | |
| " 14 | Mrs Perry | | | Washington D.C. | | | |
| " 15 | Mrs Davis | 107 | 10 | Men. St | | | |
| " 16 | Dr & Daynham | 149 | Reed St | | | | |
| " " | Mrs. S. Smith | | Washington D.C. | | | | |
| " 20 | John Jay White | 500 | 44 | and 74 | | | |
| " 21 | Mrs Pamela | | | | | | |
| " " | Mrs Phalar | | Phalar | 10 | | | |
| " " | Mrs. S. Smith | | | | | | |
| " " | Mrs. S. Smith | | | | | | |
| " 23 | Mrs. S. Smith | 2010 | Mass Ave | | | | |
| " " | Mrs. Maury | 1762 | Mass Ave | | | | |
| " 24 | Dr. C. C. Carey | | 17th. 4th St. | | | | |
| " " | Mrs. S. Smith | 1061 | 10 Biddle | | | | |
| " " | H. Oppenheimer | 728 | Biddle St | | | | |
| " " | R. Gault | | Unlrest | | | | |
| " " | Mrs. S. Smith | 1739 | 2 St. Wash. | | | | |
| " 26 | E. R. Scheld | | | | | | |
| " " | Mrs. S. Smith | | | | | | |
| X 1 | Mrs. S. Smith | | | | | | |
| " " | Mrs. S. Smith | | | | | | |
| " " | Mrs. S. Smith | | | | | | |
| " " | Mrs. S. Smith | | | | | | |
| " " | Mrs. S. Smith | | | | | | |
| " 7 | Mrs. S. Smith | | | | | | |
| " " | Mrs. S. Smith | 830 | 2nd Ave | | | | |
| " " | Mrs. S. Smith | | | | | | |
| " 8 | Mrs. S. Smith | 2026 | 10th St | | | | |
| " 9 | Mrs. S. Smith | 2224 | 10th St | | | | |
| " " | Mrs. S. Smith | 1701 | 2nd Ave | | | | |

NAME, ADDRESS, ROOM, DATE, AMOUNT

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| 25 | CA, R. B. Davis | 1.1 | ✓ |
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| 10 | | 1.1 | |
| 10 | c or Vandy | 1.1 | |
| 25 | | 1.1 | ✓ |
| 15 | | 1.1 | |
| 10 | | 1.1 | |
| 100 | | | |

| NAME OF FATHER. | AGE | NAME OF MOTHER. | AGE | End
Last
Menst. | Date
Exptd.
Conf't. | Date
Del'd |
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| 11. | 14. | John Hark | 21 | 21 | 18 | 18 |
| " | " | John Hark | 21 | 21 | 18 | 18 |
| " | " | John Hark | 21 | 21 | 18 | 18 |
| " | " | John Hark | 21 | 21 | 18 | 18 |
| " | 17 | 14 | 18 | 1921 | 1921 | 1921 |
| " | " | John Hark | 21 | 21 | 18 | 18 |
| " | 21 | John Hark | 21 | 21 | 18 | 18 |
| " | " | John Hark | 21 | 21 | 18 | 18 |
| " | 22 | John Hark | 21 | 21 | 18 | 18 |
| " | 23 | John Hark | 21 | 21 | 18 | 18 |
| " | " | John Hark | 21 | 21 | 18 | 18 |
| " | 24 | John Hark | 21 | 21 | 18 | 18 |
| " | 26 | John Hark | 21 | 21 | 18 | 18 |
| " | 27 | John Hark | 21 | 21 | 18 | 18 |

| NAME OF CHILD. | No. | Sex | Race. | Weight | Length | Presentation. | Address. |
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| 20 | | | | | 1.1 | | |
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St. Paul Vienna

Washington

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| NAME | AGE | NAME OF MOTHER. | AGE | Time
last
Conc. | Time
Exped.
Conc'd. | Date
Deliv'd. |
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Vaccinations.

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RESULT

NAME.

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RESULT.

VACCINATIONS.

NAME

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RESULT.

Vaccinations.

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Date

Result

NAME AND ADDRESS OF DECEASED

AGE
Y. M. D.

COLOR.

Mr'd. Single
or Widowed

PLACE AND CAUSE OF DEATH.

DATE

Death

NAME AND ADDRESS OF DECEASED

AGE
Y. M. D.

COLOR

Mr'd, Single
or Widowed

PLACE AND CAUSE OF DEATH.

PAGE

ADDRESSES OF PATIENTS.

ADDRESSES OF PATIENTS

ADDRESSES OF PATIENTS.

| | | |
|------|-----------------------|-----------------|
| Jan. | C J Lyman | 25.00 |
| " 2 | J. Edgar Cooke | 10.00 |
| " " | Mr Currier Wash. D.C. | 100.00 |
| " 3 | J C Werner | 30.00 |
| " " | Miss Heath | 25.00 |
| " " | Mr Smith | 10.00 |
| " 4 | Mr Swenson | 10.00 |
| " " | Mr Frank | 60.00 |
| " " | R L Fairweather | 20.00 |
| " " | Mr Key | 20.00 |
| " 5 | Mr Ferdinand | 25.00 |
| " " | Wilmer Estate | 500.00 |
| " " | Mr Carly Estate | 500.00 |
| " " | Brook Estate | 10.00 |
| " " | Bygones Lee Estate | 25.00 |
| " " | Miss James Thompson | 10.00 |
| " " | E C Turner | 20.00 |
| " " | Mr Stearns | 20.00 |
| " " | A J Halpern | 20.00 |
| " " | J B Freeman | 10.00 |
| " 6 | Mr Gray | 10.00 |
| " " | Mr Malachuk | 10.00 |
| " " | Miss H Gamble | 25.00 |
| " " | Mr Hart- | 10.00 |
| " " | Tender Moore | 20.00 |
| " " | Mr Argabrite | 25.00 |
| " " | Mr Rocheline | 25.00 |
| " 7 | Mr Goodman | 10.00 |
| " " | Ed. O'Donnell | 20.00 |
| | | <hr/> 16,050.00 |

ADDRESSES OF NURSES

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| 1 | Mr. [illegible] | 25.00 |
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| 4 | Mr. [illegible] | 10.00 |
| 5 | Mr. [illegible] | 25.00 |
| 6 | Mr. [illegible] | 15.00 |
| 7 | Mr. [illegible] | 25.00 |
| 8 | Mr. [illegible] | 100.00 |
| 9 | Mr. [illegible] | 30.00 |
| 10 | Mr. [illegible] | 10.00 |
| 11 | Mr. [illegible] | 10.00 |
| 12 | Mr. [illegible] | 30.00 |
| 13 | Mr. [illegible] | 10.00 |
| 14 | Mr. [illegible] | 25.00 |
| 15 | Mr. [illegible] | 108.00 |
| 16 | Mr. [illegible] | 30.00 |
| 17 | Mr. [illegible] | 10.00 |
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| 19 | Mr. [illegible] | 10.00 |
| 20 | Mr. [illegible] | 25.00 |
| 21 | Mr. [illegible] | 110.00 |
| 22 | Mr. [illegible] | 50.00 |
| 23 | Mr. [illegible] | 20.00 |
| 24 | Mr. [illegible] | 10.00 |
| 25 | Mr. [illegible] | 25.00 |
| 26 | Mr. [illegible] | 50.00 |
| 27 | Mr. [illegible] | 10.00 |
| 28 | Mr. [illegible] | 10.00 |

Rs 3373 00

ADDRESSES OF NURSES

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| | | \$ 3373.00 |
| 117. | Mrs Lewis | 10.00 |
| " | A. Castleberg | 10.00 |
| " | 18 Capt - Snow | 25.00 |
| " | " Ed Huddell | 30.00 |
| 119 | Carlen Branch | 25.00 |
| " | Mrs Ferguson | 20.00 |
| 21 | Augman Greene | 10.00 |
| " | Mrs Shela | 25.00 |
| 13 | Mrs Dillenburg | 10.00 |
| " | Alice Rayner | 20.00 |
| " | Mrs Fales | 10.00 |
| 24 | Mrs. Irecht | 10.00 |
| 25 | Miss Woodward | 10.00 |
| " | T. L. Duman | 13.00 |
| " | Mrs Norman | 20.00 |
| 29 | Mr. & Gottschalk | 10.00 |
| 31 | Mrs. Hinde | 25.00 |
| 33 | Mrs Lisner | 150.00 |
| " | Teacher McCorn | 25.00 |
| " | Mrs Seamus | 100.00 |
| 36 | Mrs Edmunds | 750.00 |
| 7. | Mrs Mann | 25.00 |
| " | Mrs Murray | 50.00 |
| 9 | Mrs Burgeon | 1000.00 |
| 10 | Mrs Freeman | 20.00 |
| " | Mrs Webb | 25.00 |
| " | Mrs Jackson | 25.00 |
| 12 | Capt Lamm | 25.00 |
| " | Mrs Lander | 750.00 |

\$ 5393.00

| DATE | NAME | AMOUNT
CHARGED | AMOUNT
PAID | DATE | NAME |
|-------|----------------------|-------------------|----------------|------|------|
| | Forward | | 55 93 00 | 47 | Mr |
| 7 13. | Mr Copper | | 25 00 | | |
| 147 | Mr Bingham | | 25 00 | | |
| " | Mr Forkum | | 25 00 | | |
| " 18 | L. Gulman | | 20 00 | | |
| " " | Mr Lacy | | 30 00 | | |
| " 14 | Mr Williams | | 25 00 | | |
| " 20 | Mr Poppenberger | | 20 00 | | |
| " " | Mr Hodgson | | 25 00 | | |
| " " | Mr Mealey | | 20 00 | | |
| " " | Mr Brookings | | 100 00 | | |
| " " | Watsch R R | | 100 00 | | |
| " " | Appleby & Co \$ 687. | | | | |
| " 16 | Mr W. W. Kelley | | 25 00 | | |
| " 23 | Mr Bault | | 50 00 | | |
| " 24 | Mr C. Moore | | 50 00 | | |
| " " | Mr Rose | | 25 00 | | |
| " 26 | T. Ryan | | 10 00 | | |
| " 28 | Mr Skuman | | 10 00 | | |
| " " | Mr Trapper | | 20 00 | | |
| " " | Mr King | | 10 00 | | |
| " 3 | Mr Grosch | | 20 00 | | |
| " " | Mr Shellm | | 25 00 | | |
| " " | Mr Osmell | | 20 00 | | |
| " " | Mr Schuman | | 10 00 | | |
| " " | Mr Fitzgerald | | 25 00 | | |
| " " | May. Slingsfellow | | 5 00 00 | | |
| " " | Col. Anderson | | 50 00 | | |
| " " | Mr Woodward | | 25 00 | | |

\$ 6883 00

Cash Account.

| BILL
SENT. | NAME | AMOUNT | AMOUNT | WHEN |
|---------------|-------------------|----------|------------|-------|
| | | CHARGED. | PAID | PAID. |
| | Forward | | \$ 6883 00 | |
| 55 00 | 44.7 Mr | | 25 | |
| 25 00 | " " Mr Boyl | | 25 | |
| 25 00 | " " Mrs Greenwood | | 0 00 | |
| 25 00 | " " Mr Derrick | | 10 00 | |
| 20 00 | " 8 Mr Boyl | | 20 00 | |
| 34 00 | " " Mrs Daniels | | 20 00 | |
| 25 00 | " 7 L. L. Jackson | | 25 00 | |
| 20 00 | " 9 Mrs Scully | | 100 00 | |
| | " " Mr Eggleston | | 25 00 | |
| 20 00 | 10 Mrs. Colate | | 150 00 | |
| 100 00 | " " Mr. Brennan | | 20 00 | |
| 10 00 | " " Mr. Brown | | 10 00 | |
| | " " Mr. Dyer | | 25 00 | |
| 25 00 | " " Mr. Hancock | | 25 | |
| 50 00 | " " Mr. Hardwick | | 25 00 | |
| 50 00 | " " Mr. Dale | | 25 00 | |
| 25 00 | 13 Mr. Butler | | 25 00 | |
| | " " Mrs. Collins | | 100 00 | |
| 10 00 | " " Mr. Coover | | 25 00 | |
| 20 00 | " " G. E. Sliver | | 20 00 | |
| 10 00 | " " Mr. Kohn | | 10 00 | |
| 20 00 | " " Mr. Hammond | | 10 00 | |
| 10 00 | " " Mrs. Morris | | 10 00 | |
| 20 00 | 18 Mr. East | | 10 00 | |
| 20 00 | 20 Mrs. Hunt | | 20 00 | |
| 25 00 | " " P. B. Bentner | | 200 00 | |
| 50 00 | " " Mrs. Irwin | | 10 00 | |
| 50 00 | 22 Mrs. Fowler | | 50 00 | |
| 20 00 | 22 W. Ellinger | | 10 00 | |
| 868 00 | | | \$ 7925 00 | |

| BILL
SENT. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|---------------|------------------|--------------------|-----------------|---------------|
| | 722 | | \$ 7925 00 | |
| 23 | Mrs. Spencer | | 10 00 | |
| " | Mrs. Blum | | 20 00 | |
| 24 | Mrs. Bala | | 25 00 | |
| " | Mrs. Mosher | | 25 00 | |
| 25 | Mrs. C. Wood | | 25 00 | |
| 27 | Mrs. H. A. L. L. | | 25 00 | |
| " | Mrs. L. A. L. L. | | 10 00 | |
| " | Mrs. McCormack | | 100 00 | |
| 28 | Mrs. B. A. L. | | 25 00 | |
| 29 | Capt. - Chamber | | 10 00 | |
| " | Mrs. Paul | | 10 00 | |
| " | Mrs. Varela | | 25 00 | |
| 31 | H. A. L. L. | | 10 00 | |
| " | Mrs. C. L. L. | | 10 00 | |
| 4.1 | Mrs. Chapman | | 20 00 | |
| " | Mrs. Morgan | | 30 00 | |
| " | Mrs. Rosenberg | | 10 00 | |
| " | Mrs. L. A. L. | | 10 00 | |
| 4.2 | Mrs. L. A. L. | | 25 00 | |
| " | Mrs. Paul | | 25 00 | |
| " | Mrs. L. A. L. | | 20 00 | |
| " | Mrs. Murray | | 10 00 | |
| " | Mrs. Frank | | 20 00 | |
| " | Mrs. L. A. L. | | 10 00 | |
| " 5 | Mrs. Osborne | | 100 00 | |
| " 6 | Mrs. Chamberlain | | 20 00 | |
| " | Mrs. Paul | | 25 00 | |
| " | Mrs. Bremer | | 25 00 | |
| " | C. C. L. L. | | 10 00 | |

\$ 8525 00

| BILL
SENT | NAME. | AMOUNT
CHARGED | AMOUNT
PAID | WHEN
PAID. |
|--------------|------------------|-------------------|----------------|---------------|
| | | \$85.25 | 55 | |
| 10.7 | Mrs Whitelock | | 10 | 00 |
| " | Mrs Jamison | | 10 | 00 |
| " | J. Hebringer | | 10 | 00 |
| " | W. G. Price | | 10 | 00 |
| " | Mrs. Riggs | | 20 | 00 |
| " | Mr. Bergmiller | | 25 | 00 |
| " | Mr. Paukake | | 20 | 00 |
| " | Mr. Hineham | | 10 | 00 |
| " | Mrs. Schwarz | | 10 | 00 |
| 9.7 | T. H. Home | | 10 | 00 |
| " | Mr. Gelly | | 20 | 00 |
| " | Mr. Wrentham | | 10 | 00 |
| " | Judge Karlan | | 100 | 00 |
| " | R. W. Coker | | 25 | 00 |
| " | A. P. Lloyd | | 15 | 00 |
| " | Judge Thompson | | 25 | 00 |
| " | Mrs. Cuning | | 10 | 00 |
| " | C. J. Taylor | | 30 | 00 |
| " | T. G. Carroll | | 10 | 00 |
| " | Mrs. W. L. Smith | | 20 | 00 |
| " | C. A. Bailey | | 10 | 00 |
| " | Mrs. G. T. Smith | | 25 | 00 |
| " | Mrs. F. L. Hanks | | 10 | 00 |
| 11 | W. Decker | | 100 | 00 |
| " | Wm. A. Coker | | 25 | 00 |
| " | W. Coker | | 10 | 00 |
| " | W. Coker | | 10 | 00 |
| " | Mrs. S. C. Coker | | 10 | 00 |
| " | Mrs. Barber | | 100 | 00 |
| " | Mrs. Davis | | 100 | 00 |

\$ 925.50

Cash Account.

| BILL
SENT. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|---------------|-----------------|--------------------|-----------------|---------------|
| 1.12 | Forward | | \$ 9235-00 | |
| " | E R Head | | 10 " | |
| " | Mrs Ordum | | 25 " | |
| " 13 | Mrs Cholmon | | 25 " | |
| " | Mrs Lancham | | 10 " | |
| " " | E A Metzler. | | 10 " | |
| " " | Mrs Frouz. | | 10 " | |
| " | J Fagleson | | 10 " | |
| " 16 | Mrs Pratt | | 10 " | |
| " " | Mrs Curry | | 25 " | |
| " 14 | Est. M. Calm | | 30 " | |
| " 5 | Mrs Anne Acosta | | 100 00 | |
| " " | Sen. Mac Court. | | 25 " | |
| " " | Mrs J. Davis | | 25 " | |
| " 17 | Mrs D. Hill | | 10 " | |
| " " | Mrs Adams | | 10 " | |
| " 18 | Judge Davis | | 25 " | |
| " " | Mrs Farr | | 25 " | |
| " " | Mrs Mayrath. | | 25 " | |
| " " | Jas Keenan | | 25 " | |
| " " | C H Basscher | | 10 " | |
| " 20 | E. Calm | | 50 " | |
| " " | Mrs Haddell | | 10 " | |
| " " | Henry Peters | | 10 " | |
| " " | J. D. Connolly | | 25 " | |
| " 21 | Mrs | | 25 " | |
| " | Mrs Pratt | | 25 00 | |
| 22 | Mrs Small | | 20 " | |
| 22 | Mrs L. Engel | | 25 " | |
| 24 | Mrs Brown | | 25 " | |

998 00

| | DATE | NAME | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|----------|------|--------------------|--------------------|-----------------|---------------|
| \$ 95.00 | | | | | |
| | 12 | Gen Collis | | 95.00 | |
| | 15 | Mr Wheeler | | 10.00 | |
| | 25 | Mr Cromarty | | 25.00 | |
| | 10 | 21 Gen James | | 25.00 | |
| | 0 | 26 J/K Orr | | 20.00 | |
| | 1 | 2 R H Robinson | | 10.00 | |
| | 1 | 28 Miss Pua | | 20.00 | |
| | | " Mr Hugh. | | 10.00 | |
| | 25 | 29 Mr Carron | | 25.00 | |
| | 1 | v.1 Francis White | | 10.00 | |
| 100 | | " Mr Henry | | 20.00 | |
| 25 | | " J S Hack | | 20.00 | |
| 25 | | 2 Mr Engel | | 10.00 | |
| 1 | | " Mr Deluck | | 10.00 | |
| 1 | | " Appleton & Co. | 2408.85 | | |
| 25 | | 3 "Mr Caspella | | 10.00 | |
| 25 | | " Mrs Anne Cook | | 10.00 | |
| 30 | | 4 Mr Wallace | | 25.00 | |
| 25 | | " Mrs Fleming | | 10.00 | |
| 10 | | " Mr Barney | | 50.00 | |
| 80 | | " Mrs Morris | | 30.00 | |
| 10 | | 5- Mr Mitchell | | 10.00 | |
| 10 | | " Judge Cox | | 100.00 | |
| 25 | | " Gelstener School | | 500.00 | |
| 15 | | " Miss Triplett | | 10.00 | |
| 25 | | " Mrs Givemen | | 10.00 | |
| 10 | | " Mr W L Read | | 25.00 | |
| 10 | | " Mr Vaughan | | 20.00 | |
| 2 | | 7 James Lounds | | 100.00 | |
| 2 | | " W & J. L. Lounds | | 100.00 | |
| \$ 95.00 | | | | 13.118.00 | |

| Bill
Sent | NAME | AMOUNT
CHARGED | AMOUNT
PAID. | When
PAID. |
|--------------|----------------|-------------------|-----------------|---------------|
| | for 1857 | | \$ 13 110 00 | |
| 17 | Mr. Kelly | | 10 00 | |
| " 7 | Mr. J. A. Berg | | 10 00 | |
| " | Mr. B. B. B. | | 10 00 | |
| " | Mr. A. B. B. | | 10 00 | |
| " 8 | Mr. J. A. B. | | 100 00 | |
| " | Mr. J. A. B. | | 20 00 | |
| " | Mr. B. B. B. | | 30 00 | |
| " | Mr. J. A. B. | | 25 00 | |
| " 8 | Mr. B. B. B. | | 10 00 | |
| " 9 | Mr. J. A. B. | | 20 00 | |
| " | Mr. J. A. B. | | 10 00 | |
| " 12 | Mr. J. A. B. | | 30 00 | |
| " 11 | Mr. J. A. B. | | 50 00 | |
| " 12 | Mr. J. A. B. | | 10 00 | |
| " | Mr. J. A. B. | | 100 00 | |
| " | Mr. J. A. B. | | 120 00 | |
| " | Mr. J. A. B. | | 10 00 | |
| " | Mr. J. A. B. | | 10 00 | |
| " 14 | Mr. J. A. B. | | 25 00 | |
| " | Mr. J. A. B. | | 15 00 | |
| " 15 | Mr. J. A. B. | | 20 00 | |
| " | Mr. J. A. B. | | 100 00 | |
| " | Mr. J. A. B. | | 100 00 | |
| " | Mr. J. A. B. | | 25 00 | |
| " 18 | Mr. J. A. B. | | 100 00 | |
| " 20 | Mr. J. A. B. | | | |
| " 16 | Mr. J. A. B. | | 25 00 | |
| " 23 | Mr. J. A. B. | | 25 00 | |
| | | | \$ 1405 00 | |

Cash Account.

181

| BILL
SENT. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|---------------|---------------------|--------------------|-----------------|---------------|
| 18100 | 27 H. L. Binford | | 14.05 00 | |
| | | | 15 10 | |
| 30 | R. A. Alge | | 2100 00 | |
| | W. L. L. L. | | 150 00 | |
| 1 | Mr. Williams | | 25 00 | |
| 2 | Thos. Bunk | | 350 00 | |
| 100 | Mr. Tullidge | | 500 00 | |
| | Mr. Butler | | 25 00 | |
| 50 | Judge Rucker | | 25 00 | |
| 20 | C. E. L. L. L. | | 20 00 | |
| 10 | 3 Mr. Tisdell | | 10 00 | |
| | Mr. Hall | | 25 00 | |
| 5 | Mr. A. D. Levy | | 100 00 | |
| | Julius Himes | | 1000 00 | |
| 50 | Mr. James Fisher | | 25 00 | |
| | Miss Small | | 25 00 | |
| 100 | 7 Brown | | 25 00 | |
| | B. Carter | | 25 00 | |
| | S. J. Henry (S. J.) | | 25 00 | |
| | Mr. C. L. Price | | 10 00 | |
| 20 | Miss Sailer | | 10 00 | |
| | Mr. S. L. L. | | 25 00 | |
| 50 | 7 H. L. L. | | 10 00 | |
| | L. R. D. Schullz | | 10 00 | |
| | H. L. L. L. | | 30 00 | |
| | S. J. L. L. | | 10 00 | |
| 100 | 3 L. L. L. | | 10 00 | |
| | Mr. Lang | | 25 00 | |
| 50 | Mr. Pearce | | 30 00 | |
| 25 | Mr. Foltz | | 10 00 | |

\$ 17660 00

| BILL
SENT. | NAME. | AMOUNT
PAID. | WHEN
PAID. |
|---------------|--------------------|-----------------|---------------|
| July. | Forward | \$ 17.60 | 00 |
| " | Frank Carey | 20 | 00 |
| " 8 | Nuss Bolling | 10 | 00 |
| " " | J T Hill | 25 | 00 |
| " " | J M Caldwell | 20 | 00 |
| " " | Mr Sigel | 25 | 00 |
| " 9 | Mrs Frank | 10 | 00 |
| " 10 | Mr. Ben. Strouse | 10 | 00 |
| " 12 | Mr David Hatcher | 20 | 00 |
| " 12 | Mr Henry H. Kaip | 25 | 00 |
| " 12 | Mr. A. C. Thompson | 10 | 00 |
| " 14 | Mr. Lacey | 100 | 00 |
| " " | Mr. Murray | 500 | 00 |
| " " | Mr. Roller | 500 | 00 |
| " " | Mr. Jones | 20 | 00 |
| " " | Mr. Blott | 25 | 00 |
| " " | Mr. Crasder | 25 | 00 |
| " " | Mr. Lanning | 25 | 00 |
| " 15 | A C Carpenter | 10 | 00 |
| " " | Mr. Merrill | 25 | 00 |
| " 16 | Mr. Miller | 15 | 00 |
| " " | Mrs. Cranstoun | 25 | 00 |
| " " | Mr. Lacey | 25 | 00 |
| " " | Mr. Rollins | 25 | 00 |
| " " | Mr. Graftman | 25 | 00 |
| " " | Mrs. Willey | 10 | 00 |
| " " | H J Schultz | 10 | 00 |
| " 12 | J Fisher | 25 | 00 |
| " " | Mr. Sackett | 25 | 00 |

19,200 00

| DATE | NAME | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|------|-------------------|--------------------|-----------------|---------------|
| | | | \$ 19250.00 | |
| 17 | Mr. Paul | | 10 | " |
| " | Mr. Leas | | 25 | " |
| " | Mr. Breyer | | 20 | " |
| " | Mr. Leebert | | 10 | " |
| 17 | Mr. Hartman | | 10 | " |
| " | Mr. Brown | | 10 | " |
| " | Mr. Baldwin | | 25 | " |
| " | Mr. Henson | | 10 | " |
| " | Mr. Thompson | | 25 | " |
| 18 | E. E. Jackson | | 10 | " |
| 20 | Mr. Whitehead | | 10 | " |
| " | Mr. Oelinger | | 40 | " |
| 21 | Mr. Jones | | 40 | " |
| " | Mr. Jones | | 10 | " |
| " | Mr. Smith | | 25 | " |
| " | Mr. F. Alender | | 20 | " |
| " | Mr. Sage | | 25 | " |
| 23 | Lady Parncefork | | 300 | " |
| " | Mrs. Liebman | | 25 | " |
| " | Mr. Mershaw | | 20 | " |
| 24 | Mr. Gilman | | 51 | " |
| " | Mr. Greenfield | | 30 | " |
| " | E. Bannister Hall | | 25 | " |
| 3 | D. S. Perin | | 100 | " |
| " | E. S. Jones | | | " |
| 10 | H. C. Price | | 10 | " |
| 2 | Francis | | 10 | " |
| 5 | Col. Patton | | 20 | " |
| " | E. E. Mc Cleary | | 35 | " |
| | | | \$ 20170 | |

| BILL SENT | NAME | AMOUNT CHARGED. | WHEN PAID. | PAID. | \$ |
|-----------|------------------------------------|-----------------|------------|--------------|----|
| | Forward | | | | |
| | | | | \$ 29,170 00 | |
| 7-9. | Phinlee | | | 100 00 | |
| " 10 | Nathan Guterus Pat. | | | 25 00 | |
| " 10 | Hoy | | | 25 00 | |
| " 11 | Mr. Sh. Lock | | | 25 00 | |
| " 14 | Blackinton | | | 12 00 | |
| " 15 | Mr. & Lee Tailor | | | 100 00 | |
| " 17 | Mr. & Miss Gault | | | 50 00 | |
| " 19 | Judge Gray | | | 300 00 | |
| | Mr. Sanford | | | 10 00 | |
| | " Levy | | | 10 00 | |
| | Leopold | | | 10 00 | |
| | Mr. A. Graham Bell | | | 100 00 | |
| July 23 | Chas. Y. Singer | | | 100 00 | |
| | Mr. R. S. Weir | | | 1630 00 | |
| | Mr. Hanningan (Toronto) | | | 50 00 | |
| | " Steele (Ontario) | | | 25 00 | |
| | " Milner | | | 20 00 | |
| | Capt. Bush | | | 25 00 | |
| | Mr. Wilson | | | 25 00 | |
| Aug 9. | David Jones | | | 50 00 | |
| Sept 2 | Mr. Hayward | | | 25 00 | |
| Aug 1 | S. Simpson & Co | | | 2028 51 | |
| " | Mr. Levy | | | 10 00 | |
| " | Mr. Sanford | | | 10 00 | |
| " | Mr. Leopold | | | 10 00 | |
| June 27 | Mr. Hanningan Toronto | | | 50 00 | |
| " " | Mr. Steele Ontario | | | 25 00 | |
| " " | Mr. Milner Toronto | | | 20 00 | |
| Aug 5 | Capt. Bush | | | 50 00 | |
| | | | | \$ 21,802 00 | |

Cash Account.

181

| AMOUNT | DATE | NAME | AMOUNT CHARGED | AMOUNT PAID | BALANCE PAID |
|----------|--------|------------------|----------------|--------------|--------------|
| \$ 20.00 | 11 | From a | | \$ 215 02 00 | |
| 100 | May 19 | at Indem. | | 25 00 | |
| 200 | " 23 | a F W Scott | | 25 00 | |
| 200 | " 23 | Mrs Bolt | | 25 00 | |
| 100 | " " | Mrs Ferguson | | 10 00 | |
| 120 | " " | Mrs Schoen | | 15 00 | |
| 100 | " " | Mrs Jordan | | 25 00 | |
| 200 | " 24 | Mrs Blum | | 10 00 | |
| 300 | " " | Mrs M Cooper | | 10 00 | |
| 100 | " 14 | Mrs Silverman | | 10 00 | |
| | " " | Shefel | | 10 00 | |
| | " " | Mrs Reiman | | 10 00 | |
| 100 | " " | Mrs Peck | | 25 00 | |
| | " 28 | Chas Clark | | 25 00 | |
| 100 | " " | Mrs Bohner | | 20 00 | |
| 50 | " " | Mrs Lazarus | | 50 00 | |
| 50 | " " | Mrs L K Gutman | | 30 00 | |
| 50 | " 30 | Mrs Legbest | | 100 00 | |
| 50 | " " | Mrs Schloss | | 25 00 | |
| 50 | " 1 | Mrs Eisenman | | 10 00 | |
| 50 | " " | Mrs West | | 10 00 | |
| 50 | " 2 | Mrs K. K. K. | | 25 00 | |
| 50 | " " | Rivels | | 10 00 | |
| 50 | " " | Mrs Hirschfeld | | 25 00 | |
| 50 | " " | Mrs Goldstein | | 10 00 | |
| 50 | " " | W H Allen | | 20 00 | |
| 50 | " 8 | Mrs. K. K. K. | | 25 00 | |
| 50 | " 6 | Mrs Karm | | 20 00 | |
| 50 | " " | Mrs Ewell | | 10 00 | |
| 50 | " " | Mrs Steinbrecker | | 10 00 | |
| 50 | " " | Mrs Taylor | | 20 00 | |
| | | | | 2245 00 | |

| DATE
SENT. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WORTH
PAID. |
|---------------|-------------------|--------------------|-----------------|----------------|
| | Forward - | \$ 224 57 | | |
| 2.7. | W J Dashiell | | 25 00 | |
| " 8 | Mr Green | | 10 00 | |
| " 9 | Mrs Richardson | | 20 00 | |
| " 10 | Mr S. A. Miller | | 100 00 | |
| " 11 | James McPherson | | 25 00 | |
| " 12 | Mr. Archibald | | 50 00 | |
| " 13 | W. Langdon | | 50 00 | |
| " 14 | Mrs. Cathcart | | 10 00 | |
| " 15 | S. C. Girdle | | 25 00 | |
| " 16 | Miss Jones | | 20 00 | |
| " 17 | F. A. Richardson | | 100 00 | |
| " 18 | Mr. Smith | | 500 00 | |
| " 19 | Mrs. Chastain. | | 1000 00 | |
| " 20 | Miss Hannah | | 10 00 | |
| " 21 | Miss Wood | | 10 00 | |
| " 22 | Mr. Mason | | 10 00 | |
| " 23 | Dr. Ogleby | | 50 00 | |
| " 24 | Mrs. Friedman | | 10 00 | |
| " 25 | Mr. Turner | | 10 00 | |
| " 26 | Mrs. | | 10 00 | |
| " 27 | Mr. Still | | 10 00 | |
| " 28 | Mr. Stamps | | 10 00 | |
| " 29 | Mr. C. C. Cole | | 20 00 | |
| " 30 | Mr. Beverley. | | 20 00 | |
| " 31 | Mr. Gibson | | 25 00 | |
| " 17 | Mr. Hahn | | 10 00 | |
| " 18 | Mrs. Baker | | 10 00 | |
| " 19 | Mrs. Lucy Jameson | | 25 00 | |
| " 20 | Mr. L. Lodge | | 20 00 | |
| " 21 | Mr. Gray | | 20 00 | |

\$ 1368 20

| DATE | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|-------|-------------------|--------------------|-----------------|---------------|
| 2.87 | | | 23,682.00 | |
| 25.1 | 20 Mrs Fily Hugh. | | 25.00 | |
| 10.1 | " Mrs Cammen | | 25.00 | |
| 25.1 | 20 A Lovenethel | | 20.00 | |
| 100.0 | " Mrs S. B. Baker | | 10.00 | |
| 25.1 | 22 Mrs Clark | | 10.00 | |
| 50.0 | " Mrs White | | 25.00 | |
| 50.0 | 23 Mrs Woulter | | 25.00 | |
| " | " Mrs Lush | | 25.00 | |
| 25.1 | " Mrs Taylor | | 10.00 | |
| 25.0 | " Mrs Eaklin | | 50.00 | |
| 100.0 | " Mrs Rathwell | | 25.00 | |
| " | 27 Morris Black | | 1420.00 | |
| 100.0 | 28 Col Andrews | | 25.00 | |
| 10.0 | " Mrs Pullin | | 25.00 | |
| 10.0 | " Mrs Rubel | | 25.00 | |
| 10.0 | " Mrs Nelson | | 10.00 | |
| 50.0 | " Mr Shepherd | | 10.00 | |
| 0.1 | 11 Mrs Chman | | 20.00 | |
| 0.1 | 2 Herb. Lyman | | 25.00 | |
| " | " Mr. O' Brien | | 10.00 | |
| " | " Mrs O' Donnell | | 100.00 | |
| 10.0 | " 3 Leut. Grayson | | 25.00 | |
| 20.0 | " " Mrs Russell | | 10.00 | |
| 20.0 | " " Mrs Smith | | 10.00 | |
| 25.0 | " " Mrs Menley | | 10.00 | |
| 10.0 | " " Mrs Watson | | 25.00 | |
| 10.0 | 4 Mrs Ferguson | | 10.00 | |
| 25.0 | " " Mrs Benson | | 10.00 | |

\$25702.00

| BILL
SENT. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|---------------|--|--------------------|-----------------|---------------|
| | | \$ 257.02 | | |
| 216. | H. J. Johnson | | 10 00 | |
| " | Mr. Humen | | 20 00 | |
| " 7 | Van Kidden | | 25 00 | |
| " | S. C. Hamelton | | 25 00 | |
| " 10 | Munder and | | 10 00 | |
| " " | Mrs. Silverman | | 10 00 | |
| " 1 | J. B. Holt | | 25 00 | |
| " | Mrs. Bacon | | 10 00 | |
| " | Mr. Taylor | | 15 00 | |
| 112 | Mr. Murray | | 10 00 | |
| " | Mr. Lashmuth | | 20 00 | |
| " | Mr. Steuron | | 25 00 | |
| 5 | Mr. Marmen | | 100 00 | |
| 15 | C. Marshall | | 25 00 | |
| 16 | Mr. Baylee | | 10 00 | |
| " | Appleton & Co. Bk. #1475 ¹² | | | |
| 7 | W. Field | | 10 00 | |
| " | Mr. Stillman | | 10 00 | |
| " | J. T. Flood | | 10 00 | |
| " | Capt. Quinn | | 25 00 | |
| 18 | Mr. Hallenwell | | 25 00 | |
| " | Mr. Byrd | | 25 00 | |
| " | Mr. Peard | | 10 00 | |
| " | Mr. Mathaei | | 15 00 | |
| 18 | Mr. Rutkins | | 25 00 | |
| 19 | Lucy West | | 25 00 | |
| " | Mr. Fitzgerald | | 10 00 | |
| 20 | Mr. Preston | | 25 00 | |
| | | \$ 262.50 | | |

Cash Account.

189

| BILL
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PAID. |
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| | Forward | | \$ 2625 ⁵ 00 | |
| 12 | W J Thomas | | 25 ⁰⁰ | |
| 24 | Wm Foy | | 20 ⁰⁰ | |
| " | Bapt Clergy | | 25 ⁰⁰ | |
| " | Wm Hilles | | 25 ⁰⁰ | |
| 25 | Wm Laughlin | | 50 ⁰⁰ | |
| " | James Seligman | | 10 ⁰⁰ | |
| 30 | Impenal Bk | | 420 ⁰⁰ | |
| " | BK of Paunt | | 100 ⁰⁰ | |
| 1/4 | Wm Tyne | | 25 ⁰⁰ | |
| 2 | Wm Franklin | | 15 ⁰⁰ | |
| " | Wm Hiram | | 10 ⁰⁰ | |
| 4 | F H Hickman | | | |
| 5 | Wm Norris | | 25 ⁰⁰ | |
| " | Wm Blackburn | | 25 ⁰⁰ | |
| 6 | Wm Hays | | 50 ⁰⁰ | |
| " | Wm Caldwell | | 20 ⁰⁰ | |
| " | Wm W. L. Cannon | | 25 ⁰⁰ | |
| 7 | Wm Cox | | 10 ⁰⁰ | |
| 8 | J H Jones | | 10 ⁰⁰ | |
| " | L H. H. Hays | | 10 ⁰⁰ | |
| " | Wm Cannon | | 25 ⁰⁰ | |
| 9 | Wm Baults | | 25 ⁰⁰ | |
| " | Wm Goddard | | 10 ⁰⁰ | |
| 10 | Wm Hambleton | | 25 ⁰⁰ | |
| " | Wm L. L. L. | | 25 ⁰⁰ | |
| " | Wm L. L. L. | | 100 ⁰⁰ | |
| " | Wm L. L. L. | | 100 ⁰⁰ | |
| " | Wm L. L. L. | | 100 ⁰⁰ | |
| " | Wm L. L. L. | | 100 ⁰⁰ | |
| | | | <u>\$ 27765⁰⁰</u> | |

| BILL
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| | Forward | | \$ 277 65 00 | |
| Nov. 11 | Mr Van Voorhis | | 25 00 | |
| " " | E H Marsh | | 25 00 | |
| " " | Mr Fennell | | 10 00 | |
| " 17 | Van Bent. | | 10 00 | |
| " " | Der vel. | | 10 00 | |
| " 19 | Der ichol. | | 20 00 | |
| " " | Mr Kamm. 'n | | 10 00 | |
| " " | Mr Lee | | 20 00 | |
| " 22 | Gen Shattuck | | 25 00 | |
| " " | Mr Thompson | | 25 00 | |
| " " | Mr Waler | | 25 00 | |
| " " | E H Lyndell | | 10 00 | |
| " 23 | Mr Nelson | | 10 00 | |
| " " | Ed de Hyster | | 25 00 | |
| " 24 | Mr. Labrusky | | 25 00 | |
| " " | Mr Kerns | | 25 00 | |
| " " | Mr Telfer | | 50 00 | |
| " 26 | Mr Williams | | 25 00 | |
| " " | Mr Bame | | 10 00 | |
| " 28 | Lee H. | | 76 00 | |
| " 29 | Mr Good | | 50 00 | |
| " " | Mr Bygle | | 25 00 | |
| " " | Mr Yeaton. | | 10 00 | |
| " 30 | Mr Fennell | | 10 00 | |
| | Produce &c | 2832 00 | | |
| | Bark | 626 00 | | |
| | Salary | 5000 00 | | |

\$ 39,582 00

\$ 40,000

Nov 4 1884

Cash Account.

191

| DATE. | NAME. | AMOUNT
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| | | CHARGED. | PAID. | PAID. |
| 1-3. | Rupers Hill | 10.00 | | |

GRAY'S AN

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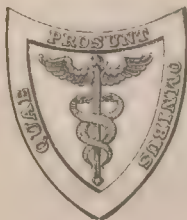
THE

MEDICAL NEWS

VISITING-LIST.

1903.

THIRTY PATIENTS PER WEEK.



PHILADELPHIA AND NEW YORK:
LEA BROTHERS & CO.

1902.

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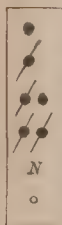
HOW TO KEEP ACCOUNTS.

1. Keep your visiting list in such a way that you can fully explain it.
2. Transfer a record of your services at short intervals to a ledger, stating the items.

HOW TO KEEP THE VISITING LIST.

ENTER the names in the proper columns, and, in case of a new patient, the address (or husband's or parent's name and address) in the right-hand page under the head of "Memoranda." Under the proper date make a little dot • in lead pencil for a visit *to be paid*, and if at a special hour, write this down: 10 A. M. When a visit is paid make a diagonal stroke in ink, /. When several visits are paid a series of strokes, //, may be made, or one with a little star *, and in the memorandum column the number of visits, "4 visits," may be written in. A night-visit should be marked N. For an expected office case a small circle in lead pencil, o, should be made, and when the patient has come a diagonal stroke in ink, φ. For a consultation write *C, and in the "Memoranda" "Consultation with Dr. —" (whoever asked you in consultation). When you call a consultant mark the visit *, and in the "Memoranda" column write "Dr. — in consultation." A confinement case may be marked (Cf., and anything special noted in column for memoranda. A vaccination should be marked V.

SIGNS.



Visit to be made.

Visit made.

Second Visit to be made same day.

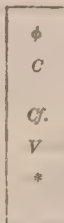
Second Visit made.

N

Night Visit.

o

Office Visit expected.



φ

Office Visit.

C

Consultation (when you are the consultant).

Cf.

Confinement Case.

V

Vaccination.

*

Refers to a special note in column headed "Memoranda."

DENTITION.

The first teeth usually appear at about the seventh month, but they may be cut earlier or later without any presumption of disease. The first or temporary set of teeth numbers twenty, and appears approximately as follows (the numbers indicate months):

| Molars. | Canine. | Incisors. | Canine. | Molars. |
|---------|---------|-----------|---------|---------|
| 24-12 | 18 | 9-7-7-9 | 18 | 12-24 |

The permanent teeth appear about as follows (the numbers indicate years):

| Molars. | Bicuspsids. | Canine. | Incisors. | Canine. | Bicuspsids. | Molars. |
|---------|-------------|---------|-----------|---------|-------------|---------|
| 25-13-6 | 10-9 | 11 | 8-7-7-8 | 11 | 9-10 | 6-13-25 |

TO FIND DAY OF CONFINEMENT.

COUNT backward three months from the last day of menstruation, and add one year and seven days to the date thus reached. It should never be forgotten that an exact reckoning of the date of confinement is impossible, errors of one or two weeks being sometimes made.

THERMOMETRIC SCALES.

To convert Degrees of the Centigrade Scale into those of Fahrenheit: Multiply the number of the former by 9 and divide by 5; if the temperature was above the freezing point (32°), add 32°; if it was below the freezing-point, subtract the result from 32°.

To convert Degrees of the Fahrenheit Scale into those of Centigrade: If the temperature be above the freezing point (32°), subtract 32; if it be below the freezing point, subtract the number from 32; then multiply the remainder by 5 and divide by 9.

In taking temperatures, the thermometer should always be used in the same situation (axilla, mouth, etc.), and left in for the same length of time (from five to seven minutes). It is important also, in keeping a record or making a report, to state the situation of the thermometer.

ORDINARY WEIGHTS AND MEASURES.

Troy, or Apothecaries', Weight.

| | | |
|-----------------|-----------------|--------------|
| 20 grains (gr.) | = 1 scruple (℥) | = 20 grains. |
| 3 scruples | = 1 drachm (℥) | = 60 " |
| 8 drachms | = 1 ounce (℥) | = 480 " |
| 12 ounces | = 1 pound (lb) | = 5760 " |

Wine, or Apothecaries', Measure.

| | |
|------------------------|--|
| 60 minims (℥) | = 1 fluidrachm. |
| 8 fluidrachms (fldr.) | = 1 fluidounce. |
| 16 fluidounces (flox.) | = 1 pint. |
| 2 pints (O) | = 1 quart. |
| 4 quarts | = 1 gallon (Cong.) = 231 cubic inches. |

Linear Measure.

12 lines = 1 inch.

THE METRIC SYSTEM.

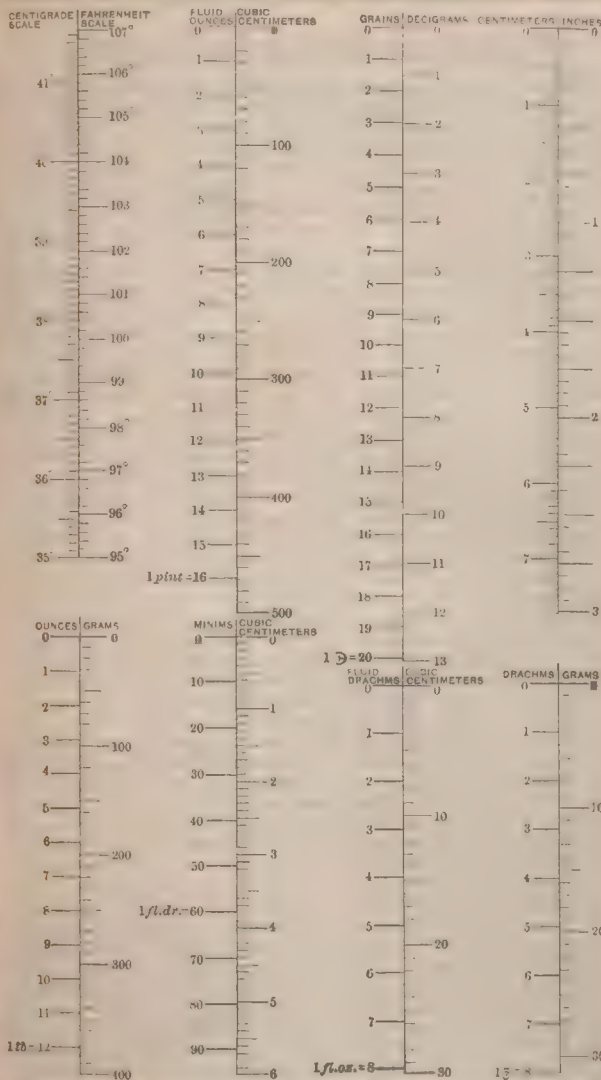
This system gets its name from the meter, which is the unit of linear measure. It is equal to 39.370132 inches, or a little over three and one-quarter feet.

The gram is the unit of weight, and is equal to 15.432 grains (Troy).

The liter is the unit of solid or fluid measure, and is equal to 1.056 quarts.

The names of the higher weights and measures are formed by prefixing to the name of the unit the Greek terms deka, hecto, kilo, and myria. The names of the fractional weights and measures are formed by prefixing to the name of the unit the Latin terms deci, centi, milli.

COMPARATIVE SCALES, showing at a glance the exact equivalent of ordinary measures and measures in those of the Metric System and *vice versa*.



The equivalents of fractions, whether large or small, may be found with great nicety by these scales. For instance, $\frac{1}{2}$ grain = $\frac{1}{2}$ of the metric equivalent of 7 grains, and 1-200 grain = 1-4000 of the metric equivalent of 20 grains. This method is, of course, reversible.

EXAMINATION OF THE URINE.

No clinical investigation is complete without careful and repeated examination of the urine, microscopically as well as chemically. The most important matters to be considered are—

1. Quantity passed in a given time. 2. Appearance (color, transparency, turbidity, etc.). 3. Odor. 4. Reaction (acid or alkaline). 5. Specific gravity. 6. Proportion of urates. 7. Proportion of phosphates. 8. Absence or presence of albumin, and quantity if present. 9. Absence or presence of sugar, and quantity if present. 10. Character of the sediment microscopically.

For ordinary examinations a sample of the first urine passed in the morning is best. It is sometimes necessary to examine in addition a sample specimen taken from the entire quantity passed during twenty-four hours. At other times it is important to examine that passed at stated periods after meals.

1. *Quantity*.—Instruct the patient to throw away the urine passed at a noted hour, and to collect in one vessel all passed subsequently for twenty-four hours up to the same hour of the following day. This quantity is to be accurately measured. The normal quantity is from 40 to 50 fluidounces. Variations occur within normal limits from excessive or insufficient drinking of water, loss by perspiration, etc. Persistent excess (polyuria) or diminution (oliguria) is pathological. The quantity is increased in diabetes insipidus and diabetes mellitus, in chronic nephritis, and, temporarily, in emotional states, including hysteria. The quantity is diminished in acute nephritis, in the last stages of chronic nephritis, in lithemia, in renal insufficiency, in conditions characterized by feebleness of the heart, in Asiatic cholera, in yellow fever, in acute intestinal obstruction, and in febrile conditions generally.

2. *Appearance*.—Normal urine is of an amber color and transparent. The color of the urine varies with its concentration, and may be altered by drugs. Rhubarb imparts a gamboge yellow color to acid urine, a violet-red color to alkaline urine. Senna imparts a brownish, logwood a reddish, carbolic and gallic acids each a blackish tinge. Of the more important pathological changes, smokiness or redness is usually due to blood; a greenish-yellow or brownish tint usually indicates bile; a milky appearance is caused by that rare condition, chyluria. Urates and uric acid sometimes impart a bright orange red tint that may be mistaken for blood. When blood is present, the corpuscles will be seen under the microscope, but there is a condition (*hemoglobinuria*) in which the coloring matter of the blood, but not the corpuscles, passes into the urine. A special test is here necessary.

Normal urine may become turbid on standing. Nearly always a slight cloud of mucus will form, and urates may deposit on cooling, even when not in excess, if the urine is somewhat concentrated. Urine turbid when passed is pathological. Pus and mucus cause turbidity, the nature of which may be distinguished by microscopic examination. Chemically, pus may be detected by the addition of hydrogen dioxide, which causes effervescence from liberation of oxygen, or by allowing it to settle and adding liquor potassæ after pouring off the supernatant urine, when the pus becomes a ropy, viscid mass, easily recognized by its behavior upon attempting to pour it from the test-tube. Turbidity in an acid urine that

clears up on heating is due to urates. Turbidity, increased or unaffected by heat and cleared up by the addition of nitric acid, is caused by phosphates. Very pale, transparent urine, of high specific gravity, usually contains sugar, if of low specific gravity, and there is polyuria, it may be free from abnormal constituent or may contain sugar and likewise albumin.

3. *Odor*.—Urine has a typical odor, sometimes described as aromatic. If alkaline fermentation take place, the urine becomes ammoniacal. The ingestion of turpentine imparts an odor of violets. The urine of diabetes mellitus sometimes has a sweetish odor. The presence of acetone yields an odor resembling that of chloroform.

4. *Reaction* is to be ascertained soon after the passage of the urine by means of slips of litmus paper, of which the blue is reddened if the secretion is acid, and the red is made blue if the secretion is alkaline; or by turmeric paper, which is made brown if the secretion is alkaline. The total twenty-four hours' urine of a healthy person is acid. The urine may be alkaline a few hours after a meal, especially if large quantities of alkali have been taken, in cases in which the stomach has been washed out, and in cases of obstinate vomiting. Ammoniacal fermentation will give an alkaline reaction to urine.

5. *Specific Gravity*.—This is ascertained by means of a special form of hydrometer called a ucinometer. Normal specific gravity is about 1018 or 1020. Increased specific gravity (1025 or more) indicates excess of solid matters; if the quantity is scanty, usually these are urates or phosphates, or both; but if the quantity is excessive sugar is usually present. If the specific gravity is low (1010 or less), albumin may be suspected.

6. *Urates and Uric Acid*.—In addition to the high specific gravity and turbidity clearing on heat, as already mentioned, urates and uric acid may be detected by examination of the sediment under the microscope. When urates and uric acid only are present, the urine is usually acid, but urates and phosphates may be present together in a faintly acid, neutral, or alkaline urine. Free uric acid is practically always abnormal, and urates in noticeable quantity may usually be considered excessive, but only exact quantitative determination of the entire amount passed in twenty-four hours can make this certain.

7. *Phosphates*.—The proportion of phosphates may be roughly ascertained by adding to some urine in a test-tube half its bulk of a solution of caustic potash (1:8), and gently warming the mixture. If the deposit which forms is deeper than $\frac{1}{4}$ of an inch in a test-tube $\frac{3}{4}$ of an inch in diameter, containing the mixture to a height of 2 inches, the phosphates are in excess. If much less, they are below normal. Turbidity of the urine which is cleared up by the addition of a little acetic acid is to be set down to an excess of phosphates, unless the urine is stale, when it may be due to alkaline decomposition.

8. *Albumen*.—Before testing for albumin or sugar, the urine should be filtered until perfectly clear. If alkaline, it must be acidulated by adding a drop or two of acetic acid. The most delicate of the reliable tests for albumin is to gently heat to the boiling-point the upper portion of a test-tube about half filled with urine. A resulting cloudiness is due to albumin or phosphates. The addition of a few drops of *acetic acid* will clear up the turbidity due to phosphates, but will not affect that due to albumin.

Heller's test is best performed by putting about 1 inch of nitric acid in a

test-tube, and by means of a pipette allowing a few drops of the filtered urine slowly to trickle down the side of the inclined test tube, and to lie upon the acid. A more or less white and opaque ring or cloudiness, due to coagulation of the albumin, will form at the junction of the two fluids. The ring may appear at once or develop slowly; hence the test-tube containing the urine and acid should be allowed to stand for about ten minutes before a negative result is recorded.

8. *Sugar.* The presence of sugar in quantities sufficient to have any pathological significance may be detected by *Bottger's test*, which consists in placing in a test tube about a drachm each of filtered urine and liquor potassæ, and adding a minute quantity of subnitrate of bismuth. If sugar be present, prolonged boiling will cause a precipitate of metallic bismuth, forming a black deposit at the bottom of the test-tube. A grayish precipitate may be caused by substances other than sugar. The result of the bismuth test is to be corroborated by *Trommer's test*. To the urine alkalized with potassium hydroxide is added drop by drop a ten-per-cent. solution of copper sulphate until a slight precipitate persists. The occurrence of a yellowish or reddish precipitate of copper oxide on the application of gentle heat indicates the presence of sugar in quantity more than a trace. The reaction will also take place in from six to twenty-four hours without the application of heat.

To determine the quantity of sugar, *Fehling's solution* is usually employed. 34.61 grams of pure crystallized copper sulphate are dissolved in pure water, and the solution is made up to 500 c.c. 100 c.c. of sodium hydroxide of a sp. gr. of 1.34 and 175 grams of powdered Rochelle salt are dissolved in 100 c.c. of water, and the solution is also made up to 500 c.c. The two solutions are best kept in separate well-stoppered, dark-colored bottles. For use equal parts are mixed as required. Every 10 c.c. of Fehling's solution requires 5 centigrams of glucose to reduce it completely. The test is best made by placing in a porcelain capsule 5 c.c. each of the two solutions, adding sufficient distilled water to make 50 c.c., and boiling. If no change of color should occur, the test may be proceeded with: 1 part of the urine to be tested having been added to 9 parts of distilled water, this diluted urine is now permitted to slowly flow from a burette into the liquid in the capsule, or is added drop by drop until all the blue color has disappeared. The quantity necessary to effect this may be measured in grams (*g*) or drops (*d*). To ascertain the percentage of sugar the following formula may be used:

$$\frac{50}{g} \text{ or } \frac{772}{d} = \text{percentage.}$$

Quantity by the Fermentation Process.—Take specific gravity and record it. Place 8 ounces of urine in a pint bottle, add a piece of compressed yeast about the size of a walnut, insert a perforated cork, and place the bottle in a warm place (86° to 90° F.) for four or five hours or longer. Then allow the urine to cool, and again take sp. gr. Each degree of loss of sp. gr. represents about one grain of sugar to the ounce, or the total number of degrees lost multiplied by 0.23 will give the sugar percentage.

If sugar be found, frequent examinations must be made for

Acetone. To the urine or a distillate thereof is added tincture of iodine or compound solution of iodine and then sufficient ammonia to form a deep-black precipitate. This disappears gradually in the presence of acetone and is replaced by a yellowish precipitate of iodoform, which is

recognizable by its odor and by appearing microscopically as made up of six-sided tables or stars. After this, examination must be made for

Diabetic Acid.—Solution of chloride of iron is slowly added to the urine: the phosphates thus precipitated are removed by filtration: and more iron chloride is added. If a Bordeaux-red color results part of the urine is boiled and part heated with sulphuric acid and extracted with ether. If the boiled urine gives no reaction with the iron solution, or only a slight coloration, while the iron chloride reaction with the ethereal extract fades within twenty-four or forty-eight hours, and if acetone is present (see above), we may conclude that the very grave condition of *diaceturia*, a forerunner of diabetic coma, exists.

10. The character of the microscopic sediment is always of great significance. This part of the examination requires special instruction.

IMPORTANT INCOMPATIBLES.

Acacia (gum), with alcohol, iron, lead-water, and mineral acids.

Acids (mineral), with alkalis and relatively weak salts of other acids, such as bromides, chlorides, and iodides.

Alkalis, with acids and with relatively weak salts.

Antipyrin and antifebrin should be given with alcohol or water only.

Arsenic, with tannic acid, salts of iron, and lime and magnesia.

Bitter infusions and tinctures, with salts of iron and lead.

Bromides, with acids, acid salts, or alkalis.

Calomel, with antipyrin, alkalis, lime-water, salts of iron and lead, and iodide of potassium.

Camphor (spirit of), with water.

Carbonates, with acids and acid salts.

Chloral, with cyanides.

Chlorides, with silver salts, lead salts, and alkalis.

Chloroform (except in minute quantity), with water.

Corrosive sublimate, with alkalis, lime-water, salts of iron and lead, iodide of potassium, albumin, gelatine, and vegetable astringents. (It may, however, be advantageously combined with tincture of the chloride of iron and liq. acidi arsenosi, or with iodide of potassium.)

Digitalis, with iron and preparations containing tannic acid.

Iron (salts), with anything containing tannic acid. Tincture of the chloride of iron, with alkalis, carbonates, mucilages, and preparations containing tannic acid.

Mucilages, with acids, iron salts, and alcohol.

Potassium chlorate (and potassium permanganate) should not be rubbed up with tannic acid or other organic oxidizable substance.

Potassium (iodide of), with all strong acids and acid salts. (See Corrosive Sublimate.)

Spirit of nitrous ether, with antipyrin, sulphate of iron, tincture of guaiacum, and most carbonates.

Vegetable preparations holding tannic acid, with salts of iron and lead.

Alkaloids are precipitated or destroyed by tannic acid, alkalis, iodine or iodides, and chlorinous compounds.

ARTIFICIAL RESPIRATION (Sylvester's Method).

FREE the body from any clothing that binds the neck, chest, or waist; turn it over upon the face for a moment, thrusting a finger into the mouth and sweeping it round, to bring away anything that may have gotten in or accumulated there. Then lay the body flat on the back, with something a few inches high under the shoulders, so as to cause the neck to be stretched out and the chin to be carried from the chest. Draw the tongue well forward out of the mouth and let it be held by an assistant. (If there be no one to do this, a pencil or small stick may be thrust across the mouth on top of the tongue and back of the last teeth, to keep the mouth open and the tongue out of the throat.) Place yourself on your knees behind the head, seize both arms near the elbows and sweep them round horizontally, away from the body and over the head till they meet above it; give a good, strong pull, and keep it up for a

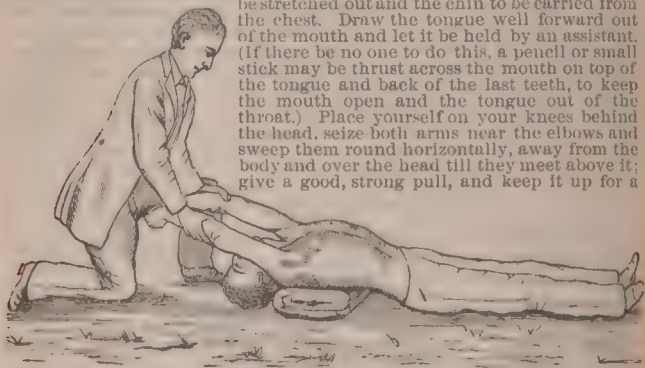


FIG. 1.

few seconds. After this return the arms to their former position alongside the chest, and make strong pressure for a few seconds against the lower ribs, so as to drive the air out of the chest and effect an act of expiration. Rhythmic traction of the tongue may also be practised.

This plan, regularly carried out, will make about 16 complete acts of respiration in a minute. It should be kept up for a long time, and not aban-



FIG. 2.

doned until the heart has ceased to beat. It should be remembered that cessation of the pulse at the wrists amounts to nothing as a sign of death; for life may be present when only a most acute ear can detect the sounds of the heart. In a moderately thin person deep pressure with the finger-ends just below the lower end of the breastbone may sometimes reveal pulsation in the aorta when it cannot be found anywhere else.

TABLE OF ERUPTIVE FEVERS.

| Disease. | Manner of Invasion. | Characteristics of Eruption. | Course of Disease. |
|--------------------------------|---|--|---|
| Scarlatina
(Scarlet fever). | Usually sudden; chilliness; high fever; rapid pulse; flushed face; convulsions or coma; sore throat; "strawberry tongue." Incubation: a few hours to a few days. | Appears very early, often on second day, first on neck and chest. May become universal. May be only about joints and very trailing. Bright scarlet; punctate. Followed by desquamation; skin burning hot, sometimes itches. | Progresses steadily and rapidly. Temperature rises to 104°-106°; then subsides gradually. (Coma a dangerous sign. Albumin in urine common, and often true desquamative nephritis. Dur.: wk. or 10 days. Usually mild. Disappears gradually. Duration: week or 10 days. |
| Rötheln
(German measles). | Usually unsuspected. Slight fever or none; mild catarrhal symptoms; vomiting; slight sore throat; enlargement of cervical lymphatic glands almost always present. Incubation: 2 to 3 wks. | Appears early. Often first symptom noted, first on face and neck, then on trunk. Rosy papules, scattered or clustered. Fades in one part and appears in another. Lasts about three days. | Usually mild. Vesicles disappear by drying up. May form pits and leave pits. Duration: about a week. |
| Varicella
(Chicken-pox). | Usually unsuspected. Slight fever or none; slight malaise or none. Incubation: about 2 weeks. | Appears early. Usually on chest and shoulders, then on body and limbs and face. Distinct, clear, shot-sized vesicles; sometimes with distinct areolae and even umbilicated; appear in successive crops; usually few in number. | Symptoms grow worse as pustules mature. Often severe constitutional disturbance. Great restlessness and desire to scratch the eruption. Interference gradual and slow. May be interrupted or exacerbate. Crusts fall off, and often leave deep pits (pocks). Duration: about 3 weeks. |
| Variola
(Smallpox). | Usually sudden; chill; high fever; rapid pulse; violent pain in head and back; debility; mucous membranes often involved. Temperature falls with appearance of rash. Incubation: about 12 days. | Appears on third or fourth day; first on face and spreads over whole body and limbs in a day or two. Pin-point like papules; then vesicles; then umbilicated pustules, about eighth day developed; adherent crusts; well marked areolae. Intense itching. Peculiar odor. | Usually mild and regular. Temperature may be high from complications. Lasts about a week. Recovery rapid. Duration week or 10 days. |
| Morbilli
(Measles). | Generally sudden; chilliness or even convulsions; moderate fever; lachrymation; catarrh of respiratory passages; bronchitis. Temperature rises with appearance of rash. Incubation: 2 wks. | Appears about fourth day; first on face, and spreads to body and limbs. May be limited; usually almost universal. Consists of rosy papules, arranged in parts of circles (rescentic); appears sometimes in successive crops. | |

POISONS AND ANTIDOTES.

The following table contains suggestions for the proper treatment of those forms of poisoning most likely to occur. Though brief, they are all that will be needed to prompt the physician's memory:

| POISON. | TREATMENT. |
|---|--|
| <i>Nature unknown</i> | Provoke repeated vomiting;
Give bland liquids;
Stimulate, if necessary; keep up breathing. |
| <i>Acids—</i>
Sulphuric, }
Nitric, }
Hydrochloric, }
Oxalic, } | Give an alkali (soap, soda, and whitewash usually at hand); limewater; magnesia;
Provoke vomiting; avoid stomach-pump;
Give ice cream and bland fluids;
Secure rest; relieve pain by opium;
Stimulate, if necessary;
Feed by enema. |
| <i>Hydrocyanic Acid and Potassium Cyanide</i> . . | Stomach-pump or emetic;
Stimulate; potassium permanganate;
Give dilute ammonia-water—by intravenous injection, if necessary; chlorine-water;
Cold affusions;
Give atropine, gr. $\frac{1}{30}$, hypodermatically. |
| <i>Carbolic Acid and Creosote</i> | Give Epsom salts, dilute sulphuric acid; atropine, hypodermatically;
Stomach-pump or emetics;
White of egg; amyl nitrite;
Stimulate; artificial heat. |
| <i>Alkalies—</i>
Ammonia, }
Soda, }
Potash, }
Lye, } | Give vinegar, lemon-juice, or orange-juice, or other acid or a fixed oil;
Give bland liquids;
Secure rest; relieve pain by opium;
Stimulate, if necessary. |
| <i>Arsenic—</i>
Paris green, }
Scheele's green, }
Fowler's solution, } | Stomach-pump or emetics;
Give hydrated oxide of iron or dialyzed iron and magnesia;
Give dose of castor oil;
Secure rest;
Stimulate, if necessary. |
| <i>Acetate of Lead</i> | Stomach-pump or emetics;
Give Epsom salts or dilute sulphuric acid;
Milk, raw eggs, and water;
Morphine hypodermatically for pain;
Potassium iodide to eliminate the drug. |
| <i>Mercury, Corrosive sublimate, Antimony, Tartar Emetic,</i> } | Emetics; careful lavage;
Give some infusion containing tannic acid;
Give raw eggs and milk; bland liquids;
Give dose of castor oil;
Stimulate, if necessary. |
| <i>Copper Salts</i> | Give albumin (milk, raw eggs); yellow prussiate of potassium;
Stomach-pump or emetics;
Give bland fluids. |
| <i>Phosphorus</i> | Provoke vomiting by repeated five-grain doses of sulphate of copper;
Potassium permanganate ($\frac{1}{4}$ per cent.);
Give dose of magnesia, but no oil. |
| <i>Nitrate of Silver (lunar caustic),</i> } | Give strong salt and water; } repeat many times.
Provoke vomiting; |
| <i>Iodine</i> | Stomach-pump or emetics;
Give starch and water;
Give bland fluids. |

of Food—
Poisoning.

—CHLORINE WATER.

Impure Meat or Eggs.

Various Cases—
—CHLORINE WATER.

to provoke vom.

and liquids—
—CHLORINE WATER.
Minerals.

—CHLORINE WATER.

and antidotes.

Antagonists are

| POISON. | TREATMENT. |
|--|---|
| Opium—
Morphine,
Laudanum,
Paregoric, etc., | Stomach-pump; emetic; potassium permanganate, by mouth; adrenalin; ammonia; hot strong coffee by the bowel; atropine hypodermatically; oxygen-inhalations; artificial respiration; lingual traction |
| Chloral—
Paraldehyde, | Stomach-pump or emetic; artificial heat; massage; stimulate; strychnine; amyl nitrite; artificial respiration. |
| Nux Vomica—
Strychnine,
Picrotoxin, | Stomach-pump or emetic; animal charcoal or tannic acid; bromide and chloral; amyl nitrite; chloroform by inhalation; curare; artificial respiration. |
| Aconite—
Veratrum viride, | Stomach-pump or emetic; stimulate; heat; atropine; artificial respiration. |
| Hemlock,
Toadstool,
Tobacco, etc., etc., | Provoke vomiting and give a purge; tannic or gallic acid; Stimulate well; keep up breathing. |
| Belladonna or Atropine,
Hyoscinum or Hyoscyamine,
Indica or Indoisin,
Stramonium or Daturine, | Stomach pump or emetic; stimulate; Enema hot strong coffee; artificial heat; morphine; pilocarpine; physostigmine; artificial respiration. |
| Alcohol | Stomach-pump or emetic; Give ammonia and water. |
| Decayed Meat or Vegetables | Provoke vomiting; wash out stomach; Give a purgative; give an enema; Give powdered charcoal and hydrogen dioxide. |
| Poisonous Gases—
Carbonic acid or oxide,
Sulphuretted hydrogen, | Fresh air; oxygen; Artificial respiration; Amyl nitrite or nitro-glycerin; Stimulation. |

To provoke vomiting. warm water may be used, with or without ground mustard 3ss to a pint of water, or ipecac (5i of the powder or 1ss of the syrup, or a finger may be thrust down the throat. It is best to give large quantities (a pint at a time) of warm water whenever vomiting is to be excited. The stomach-pump or simple siphon-tube, if accessible, is better. Apomorphine (gr. $\frac{1}{2}$ -gr. $\frac{1}{4}$) subcutaneously is a reliable emetic.

Bland Liquids are milk, raw eggs, some sort of oil, mucilage, barley-water, gruel, etc.

Stimulants are tea, coffee, whiskey, wine, etc., or ammonia and water. Of this last a teaspoonful in a teacupful of water will be enough for a dose. In making tea or coffee one must not wait to do it as if for the table, but mix hot water and the leaves or grounds, squeeze them well, stir together, and give the whole—leaves, grounds, everything.

Alkaline antidotes which are most likely to be at hand are ammonia and water (a tablespoonful in two teacupfuls of water), soap and water, lime, whiting, soda, chalk, tooth powder, plaster, magnesia, white-wash, and even wood-ashes.

Acid antidotes most commonly accessible are vinegar and lemon-juice.

In giving an antidote it is well to remember that it is not always necessary to wait for it to dissolve, but that it may be stirred up in any fluid at hand (except oil), and swallowed immediately.

Antagonists are drugs which physiologically oppose the poison, as atropine to opium, chloral to strychnine, pilocarpine to atropine.

TABLE OF DOSES

OF REMEDIES MOST FREQUENTLY ADMINISTERED.

For hypodermatic use the dose should be half that used by the mouth.

For use by rectum the dose should be twice that used by the mouth.

Doses for Children. Dr. Young's rule: Add 12 to the age, and divide by the age to give the denominator of a fraction, the numerator of which is 1

Example. For a child two years old, $\frac{12 + 2}{2} = \frac{1}{4}$; the dose should be $\frac{1}{4}$ th that for an adult. In giving powerful medicines and opium still smaller doses must be used for children.

| REMEDIES. | Grains or Minims. | Grains or Cubic Centimeters. |
|--|-----------------------------------|------------------------------|
| Abstracta. (See Ext. fld. Double the dose.) | | |
| Acetanilid (antifebrin) | 2-15 | 0.1 — 1. |
| Acetopopyrine | 5-30 | 0.3 — 2. |
| Acid. arsenos | $\frac{1}{10}$ — $\frac{1}{20}$ | 0.001 — 0.003 |
| benzoic. | 5-15 | 0.3 — 1. |
| boric. | 5-10 | 0.3 — 0.65 |
| camphoric. (to check night-sweats) | 15-30 | 1. — 2. |
| carbolic. | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.03 — 0.1 |
| gallic. | 3-60 | 0.2 — 4. |
| hydriodic dil. | 10-60 | 0.65 — 4. |
| hydrobrom. dil. | 10-60 | 0.65 — 4. |
| hydrochlor. dil. | 5-20 | 0.3 — 1.3 |
| hydrocyan. dil. | 2-6 | 0.1 — 0.35 |
| nitric. dil. | 5-20 | 0.3 — 1.3 |
| nitro-hydrochlor. dil. | 5-20 | 0.3 — 1.3 |
| phosphoric. dil. | 5-30 | 0.3 — 2. |
| salicylic. | 5-20 | 0.3 — 1.3 |
| sulphuric. dil. | 5-30 | 0.3 — 2. |
| sulphuric. arom. | 5-15 | 0.3 — 1. |
| tannic. | 2-10 | 0.1 — 0.65 |
| Aconitina (white crystals) | $\frac{1}{100}$ — $\frac{1}{200}$ | 0.0002 — 0.0003 |
| Adonidin (heart-tonic) | $\frac{1}{10}$ — $\frac{1}{2}$ | 0.006 — 0.02 |
| Adrenal gland | 1-5 | 0.06 — 0.3 |
| Adrenalin (vaso-constrictor) locally | | 1:10,000 to 1:1,000 |
| Agaricin (to check night-sweats) | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.008 — 0.015 |
| Agathin (analgesic) | 8-15 | 0.5 — 1. |
| Aloinum | $\frac{1}{4}$ — 3 | 0.008 — 0.2 |
| Aluminum chlorid. | 2-10 | 0.1 — 0.65 |
| Ammonii benzoas | 10-20 | 0.65 — 1.3 |
| bromid. | 5-30 | 0.3 — 2. |
| carb. | 8-10 | 0.2 — 0.65 |
| chlorid. | 10-30 | 0.65 — 2. |
| iodid. <i>vel</i> valer. | 2-15 | 0.1 — 1. |
| Amyl nitris (inhaled or internally) | 2-5 | 0.1 — 0.35 |
| Amylene hydrate (hypnotic) | 10-60 | 0.6 — 4. |
| Antimon. et pot. tart.; diaph. | $\frac{1}{10}$ — $\frac{1}{20}$ | 0.003 — 0.006 |
| et pot. tart.; emetic | 1-2 | 0.06 — 0.13 |
| Antipyrin | 2-15 | 0.1 — 1. |
| Apiol | 5-10 | 0.3 — 0.65 |
| Apomorph. hydrochlor. | $\frac{1}{10}$ — $\frac{1}{20}$ | 0.003 — 0.006 |
| Argentii nitras | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.01 — 0.03 |
| oxidum | $\frac{1}{4}$ — 2 | 0.032 — 0.13 |
| Argentol | 2-15 | 0.13 — 1. |
| Arsenii bromid. | $\frac{1}{4}$ — $\frac{1}{10}$ | 0.001 — 0.004 |
| iodidum | $\frac{1}{4}$ — $\frac{1}{10}$ | 0.001 — 0.006 |

| REMEDIES. | Grains or Minims. | Grams or Cubic Centimeters. |
|--|----------------------------------|-----------------------------|
| Asaprol (locally, 2%), internally. | 5—20 | 0.3 — 1.3 |
| Aspirin | 15—30 | 1. — 2. |
| Atropinæ sulphas | $1\frac{1}{4}$ — $\frac{1}{2}$ | 0.0005—0.002 |
| Auri et sodii chlorid. | $\frac{3}{32}$ — $\frac{1}{8}$ | 0.002 — 0.008 |
| Barii chlorid. | $\frac{1}{2}$ —5 | 0.032 — 0.3 |
| Benzacetin (anti-neuralgic) | 10—20 | 0.65 — 1.3 |
| Benzonaphthol | 2—10 | 0.13 — 0.65 |
| Beta-naphthol. | 2—5 | 0.13 — 0.32 |
| Bismuthi salicylas <i>vel</i> subgallas | 5—20 | 0.3 — 1.3 |
| subcarbonas <i>vel</i> subnitras | 5—60 | 0.3 — 4. |
| Bromoformum (in whooping-cough, etc. | 5—10 | 0.3 — 0.65 |
| Butyl-chloral hydrate | 5—10 | 0.32 — 0.65 |
| Calcina | 1—5 | 0.06 — 0.3 |
| Calcii chlorid. hydrat. | 5—20 | 0.3 — 1.3 |
| Camph. monobrom. | 2—5 | 0.1 — 0.3 |
| Cerri oxalas | 1—10 | 0.06 — 0.6 |
| Chloral | 3—20 | 0.2 — 1.3 |
| Chloralamidum (hypnotic) | 15—60 | 1. — 4. |
| Chloralose (hypnotic, sedative) | 3—15 | 0.2 — 1. |
| Chloretone | 10—20 | 0.65 — 1.3 |
| Chloroformum | 1—30 | 0.06 — 2. |
| Cinchonidina, and its salts | 5—30 | 0.3 — 2. |
| Citrophen | 5—15 | 0.3 — 1. |
| Cocaina (locally, 1 to 4 % sol.), internally | $\frac{1}{16}$ — $\frac{1}{2}$ | 0.004 — 0.03 |
| Codeina | $\frac{1}{16}$ —2 | 0.004 — 0.13 |
| Colchicin | $\frac{1}{160}$ — $\frac{1}{80}$ | 0.0006—0.0013 |
| Coniina, and its salts | $\frac{1}{160}$ — $\frac{1}{8}$ | 0.0006—0.01 |
| Copaiba | 15—60 | 1. — 4. |
| Creosotum | $\frac{1}{2}$ —20 | 0.032 — 1.3 |
| Creosote valerianate <i>vel</i> carbonate | 3—30 | 0.19 — 2 |
| Creolin (locally, $\frac{1}{4}$ to 2 % sol.), internally | $\frac{1}{4}$ —5 | 0.03 — 0.3 |
| Croton chloral | 1—5 | 0.06 — 0.3 |
| Cupri acetas | $\frac{1}{2}$ —1 | 0.008 — 0.03 |
| arsenis | $\frac{1}{160}$ — $\frac{1}{8}$ | 0.0006 — 0.015 |
| sulphas | $\frac{1}{16}$ — $\frac{1}{2}$ | 0.004 — 0.03 |
| Digitalinum | $\frac{1}{12}$ — $\frac{1}{2}$ | 0.005 — 0.03 |
| Digitalis | $\frac{1}{8}$ —2 | 0.008 — 0.13 |
| Dionin | $\frac{1}{2}$ —1 | 0.015 — 0.06 |
| Dormiol | 5—15 | 0.3 — 1. |
| Duboisina, and salts | $\frac{1}{12}$ — $\frac{1}{80}$ | 0.0005—0.001 |
| Elaterinum | $\frac{1}{60}$ — $\frac{1}{12}$ | 0.001 — 0.005 |
| Elaterium | $\frac{1}{12}$ — $\frac{1}{2}$ | 0.004 — 0.016 |
| Ergota | 15—60 | 1. — 4. |
| Ergotinum | 2—8 | 0.13 — 0.5 |
| Ethyl iodidum (inhalation) | 5—20 | 0.31 — 1.3 |
| Euquinin | 2—7 | 0.13 — 0.5 |
| Europhen | $\frac{1}{4}$ —2 | 0.016 — 0.13 |
| Exalgin (analgesic; give with alcohol) | 2—6 | 0.15 — 0.4 |
| Extractum aconiti | $\frac{1}{12}$ — $\frac{1}{4}$ | 0.005 — 0.015 |
| aconiti fluid. | $\frac{1}{2}$ —1 | 0.03 — 0.06 |
| bellad. alcohol | $\frac{1}{8}$ — $\frac{1}{2}$ | 0.01 — 0.03 |
| bellad. fl. | $\frac{1}{8}$ —3 | 0.06 — 0.02 |
| buchu fl. | 30—60 | 2. — 4. |
| cactus grandiflor. fl. | 5—10 | 0.31 — 0.62 |
| calumbæ fl. | 15—30 | 1. — 2. |
| cannab. ind. (with caution) | $\frac{1}{12}$ — $\frac{1}{2}$ | 0.004 — 0.03 |
| cannab. ind. fl. (with caution) | $\frac{1}{2}$ —1 | 0.03 — 0.06 |
| cascaræ sagrad. fl. | 10—30 | 0.6 — 2. |
| cimicifugæ fl. | 5—30 | 0.3 — 2. |
| colchici fl. | 2—8 | 0.12 — 0.5 |
| colocyntidis comp. | 5—15 | 0.3 — 1. |
| conii fl. | 1—10 | 0.06 — 0.6 |
| convallariæ fl. | 5—30 | 0.3 — 2. |

| REMEDIES. | Grains or Minims. | Grains or Cubic Centimeters. |
|--|---|------------------------------|
| Extractum digitalis | $\frac{1}{4}$ — 1 | 0.008 — 0.06 |
| digitalis fl. | 1 — 6 | 0.06 — 0.4 |
| ergote | $\frac{1}{4}$ — 15 | 0.03 — 1. |
| ergote fl. | 15 — 60 | 1. — 4. |
| erythroxyli fl. (coca) | 15 — 120 | 1. — 8. |
| eucalypti fl. | 5 — 30 | 0.03 — 2. |
| euphorbia pilulifera | 30 — 60 | 2. — 4 |
| gelsemii fl. | 2 — 5 | 0.13 — 0.3 |
| gossypii fl. | 15 — 60 | 1. — 1. |
| grindelia rob. fl. | 10 — 60 | 0.6 — 4. |
| guarana fl. | 30 — 120 | 2. — 4. |
| hematoxyli | 10 — 30 | 0.6 — 2. |
| hydrastis fl. | 10 — 120 | 0.6 — 2. |
| hyoscyami alcohol. | $\frac{1}{4}$ — 2 | 0.03 — 0.13 |
| hyoscyami fl. | 2 — 8 | 0.1 — 0.5 |
| ignatie | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.008 — 0.03 |
| jalape | 5 — 10 | 0.3 — 0.65 |
| kava-kava fl. | 15 — 60 | 1. — 4. |
| leptandree fl. | 20 — 30 | 1.3 — 2. |
| lobelia fl. | 1 — 5 | 0.06 — 0.3 |
| matico fl. | 30 — 60 | 2. — 4. |
| nucis vomice | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.008 — 0.03 |
| nucis vomice fl. | 1 — 5 | 0.06 — 0.3 |
| opii | $\frac{1}{8}$ — 1 | 0.008 — 0.06 |
| physostigmatis | $\frac{1}{16}$ — $\frac{1}{2}$ | 0.004 — 0.01 |
| pilocarpi fl. | 5 — 30 | 0.3 — 2. |
| podophylli | 1 — 3 | 0.03 — 0.2 |
| prun. virg. fl. | 30 — 60 | 2. — 4. |
| pulsatillae fl. | 2 — 5 | 0.1 — 0.3 |
| quebracho fl. (aspidosperma) | 20 — 60 | 1.3 — 4. |
| rhei fl. | 5 — 30 | 0.3 — 2. |
| scilla fl. | 2 — 3 | 0.1 — 0.2 |
| scoparii fl. | 15 — 60 | 1. — 4. |
| senega fl. | 1 — 5 | 0.06 — 0.3 |
| sennae fl. | 60 — 240 | 4. — 16. |
| serpent. fl. | 20 — 30 | 1.3 — 2. |
| spigelia fl. | 10 — 60 | 0.6 — 1. |
| stillingia fl. | 15 — 45 | 1. — 3. |
| stramonii | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.015 — 0.03 |
| syzygii jambolini fl. | 5 — 10 | 0.3 — 0.7 |
| taraxaci | 5 — 60 | 0.3 — 4. |
| uva ursi fl. | 30 — 60 | 2. — 4. |
| valer. fl. | 30 — 60 | 2. — 4. |
| veratr. vir. fl. | 2 — 8 | 0.1 — 0.5 |
| viburni prunifolii fl. | 30 — 60 | 2. — 4. |
| xanthoxyli fl. | 15 — 60 | 1. — 4. |
| Fel bovis purif. | 5 — 10 | 0.3 — 0.65 |
| Ferri arsen. | $\frac{1}{2}$ — $\frac{1}{3}$ | 0.003 — 0.01 |
| bromid. | 1 — 5 | 0.06 — 0.3 |
| cacodylat. | $\frac{1}{4}$ — 1 | 0.016 — 0.065 |
| carb. sacch. | 2 — 15 | 0.1 — 1. |
| hypophosphis | 5 — 10 | 0.3 — 0.65 |
| iodidum sacch. | 2 — 5 | 0.13 — 0.33 |
| lactas | 1 — 3 | 0.06 — 0.2 |
| oxid. hydrat. cum. magnes. }
(antidote to arsenic), } | { f $\frac{3}{4}$ } — f $\frac{1}{2}$ }
{ frequently } | 16. — 32. |
| pyrophosphas | 1 — 5 | 0.06 — 0.3 |
| sulphas | 1 — 3 | 0.06 — 0.2 |
| sulphas exsicc. | $\frac{1}{2}$ — 2 $\frac{1}{2}$ | 0.03 — 0.15 |
| valer. | 1 — 3 | 0.06 — 0.2 |
| Ferrum dialys. | 1 — 15 | 0.06 — 1. |
| reduct. | 1 — 5 | 0.06 — 0.3 |
| Gallobromol. | 7 $\frac{1}{2}$ | 0.5 |
| Gualacol (internally) | $\frac{1}{4}$ — 5 | 0.015 — 0.3 |
| (topically) | 10 — 60 | 1.3 — 4. |

| REMEDIES. | Grains or Minims. | Grams or Cubic Centimeters. |
|--|---------------------------------|-----------------------------|
| Guaiaccol carbonas <i>vel</i> benzoas valerianate | $\frac{1}{2}$ —10
2—20 | 0.02 — 0.5
0.12 — 1.3 |
| Haffkine's prophylactic vaccine (subcutaneously) | 15—75 | 1. — 5. |
| Heroin | $\frac{1}{32}$ — $\frac{1}{8}$ | 0.005 — 0.02 |
| Hydrarg. chlor. corros. | $\frac{1}{32}$ — $\frac{1}{16}$ | 0.001 — 0.006 |
| chlor. mite | $\frac{1}{32}$ —10 | 0.004 — 0.65 |
| iodid. rubr. | $\frac{1}{32}$ — $\frac{1}{16}$ | 0.0013—0.006 |
| iodid. flav. | $\frac{1}{4}$ —1 | 0.01 — 0.06 |
| subsulphas flav., as emetic c. creta | 2—5
3—8 | 0.12 — 0.3
0.2 — 0.5 |
| Hydrastin | 3—5 | 0.2 — 0.3 |
| Hydrastinin hydrochlorate | $\frac{1}{32}$ — $\frac{1}{8}$ | 0.005 — 0.01 |
| Hydrogeni dioxid. (10 vol. sol.) | 30—120 | 2. — 8. |
| Hyoscinæ hydrobrom. | 200—75 | 0.0003—0.0009 |
| Hyoscyaminæ sulph. | $\frac{1}{32}$ — $\frac{1}{16}$ | 0.0003—0.001 |
| Ichthalbin | 2—5 | 0.13 — 0.3 |
| Ichthyol (locally, 10 to 50 %), internally | 3—5 | 0.2 — 0.3 |
| Infusum digitalis | f51—f54 | 1. — 16. |
| Iodoformum | 1—5 | 0.06 — 0.3 |
| Iodol | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.01 — 0.03 |
| Ipecacuanha { expect.
{ emet. | $\frac{1}{4}$ —1
15—30 | 0.01 — 0.06
1. — 2. |
| Jalapa | 1—30 | 1. — 2. |
| Kryolin | 10—30 | 0.65 — 2. |
| Lactophenin (antipyretic) | 8—15 | 0.5 — 1. |
| Liq. ammon. acet. | f52—f58 | 8. — 32. |
| arsen. et hydr. iod., (To be in-
creased
sodii arsenatis, (cautiously.) | 1—5 | 0.06 — 1. |
| ferri chloridi | 2—10 | 0.15 — 0.65 |
| ferri dialys. | 10—30 | 0.65 — 2. |
| potassii citrat. | f52—f54 | 8. — 16. |
| Lithii benzoas <i>vel</i> bromid. <i>vel</i> salicylas carb. <i>vel</i> citras | 5—20
2—10 | 0.3 — 1.3
0.13 — 0.65 |
| Magnesii carb. | 15—60 | 1. — 4. |
| citr. gran. | 52—58 | 8. — 32. |
| Malakin (analgesic, antipyretic) | 10—20 | 1. — 1.3 |
| Mangan oxid. nigr. | 1—5 | 0.06 — 0.3 |
| Massa copaiba | 1—30 | 0.3 — 2. |
| ferri carb. | 5—15 | 0.3 — 1. |
| hydrarg | 4—15 | 10.06 — 1. |
| Mercuriol | 4—2 | 0.016 — 0.13 |
| Methylene blue with powdered nutmeg (malarial fevers), | 1—5 | 0.06 — 0.3 |
| Mist. asafoetida | f54—f58 | 6. — 32. |
| chloroformi | f51—f58 | 4. — 32. |
| ferri et amm. acet. | f51—f54 | 4. — 32. |
| glycyrrhizæ comp. | f51—f54 | 1. — 32. |
| magnes. et asafoet. | f51—f54 | 4. — 32. |
| rhei et soda | f51—f54 | 16. — 32. |
| Morphina, and its salts | $\frac{1}{32}$ — $\frac{1}{8}$ | 0.004 — 0.03 |
| Morrhual (derivative of cod-liver oil) | 3—60 | 0.15 — 1. |
| Moschus | 2—15 | 0.13 — 1. |
| Myrtol | 5—15 | 0.3 — 1. |
| Naphthalin | 5—20 | 0.3 — 1.3 |
| Narceina | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.01 — 0.3 |
| Nitro-glycerinum (Trinitrin, spts. Glycerinum), 1 % solution | { gtt. 1 in-
{ creased. } | 0.06 increased. |
| Oleoresina aspidii (filix mas) | 1—60 | 1.0 — 4.0 |
| capsici | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.01 — 0.03 |
| cubebæ | 5—20 | 0.3 — 1.3 |
| Oleum copaibæ | 8—15 | 0.5 — 1. |
| erigerontis | 5—15 | 0.3 — 1. |
| eucalypti | 5—10 | 0.3 — 0.6 |
| gaultheriæ | 3—10 | 0.2 — 0.65 |

| REMEDIES. | Grains or Minims. | Grains or Cubic Centimeters. |
|---|--------------------------------|------------------------------|
| Oleum phosphoratum | 1— 8 | 0.06 — 0.2 |
| santali | 10— 30 | 0.7 — 2. |
| terebinthinae | 2— 80 | 0.12 — 2. |
| tiglli | gtt. $\frac{1}{2}$ — 2 | 0.03 — 0.12 |
| Opium (14% morphine) | $\frac{1}{4}$ — 2 | 0.008 — 0.12 |
| Pancreatin | 10— 20 | 0.7 — 1.8 |
| Paraldehyde | 20— 60 | 1.8 — 4. |
| Peronin | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.01 — 0.04 |
| Phenacetin | 2— 6 | 0.1 — 0.4 |
| Phenocoll hydrochloride | 8— 15 | 0.5 — 1. |
| Phosphorus | $\frac{1}{12}$ — $\frac{1}{6}$ | 0.0005— 0.0013 |
| Physostigmina sulphas | $\frac{1}{12}$ — $\frac{1}{6}$ | 0.0005— 0.0011 |
| Picrotoxinum | $\frac{1}{16}$ — $\frac{1}{8}$ | 0.0011— 0.0065 |
| Pilocarpina, and salts | $\frac{1}{4}$ — $\frac{1}{2}$ | 0.001 — 0.03 |
| Piperazin | 15 (daily). | 1 (daily). |
| Plumbi acetat. | $\frac{1}{4}$ — 3 | 0.03 — 0.2 |
| Potassii acetat vel bicarbonas | 15— 60 | 1. — 4. |
| bitartras vel bromidum | 8— 60 | 0.5 — 4. |
| chloras | 5— 20 | 0.3 — 1.3 |
| cyanidum | $\frac{1}{16}$ — $\frac{1}{8}$ | 0.003 — 0.008 |
| iodidum | 5— 60 | 0.3 — 4. |
| nitras | 2— 15 | 0.13 — 1. |
| permanganas | $\frac{1}{4}$ — 5 | 0.03 — 0.32 |
| Protargol | 1— 3 | 0.06 — 0.2 |
| Pulv. glycyrrhizae comp. | 30— 60 | 2. — 4. |
| ipecae. et opii | 5— 15 | 0.3 — 1. |
| jalapae comp. | 10— 60 | 0.6 — 4. |
| morphinae comp. | 5— 15 | 0.3 — 1. |
| rhei comp. | 5— 60 | 0.3 — 4. |
| Pyramidon | 5— 15 | 0.3 — 1. |
| Resina copaiba | 2— 10 | 0.13 — 0.65 |
| euonymi | 2— 5 | 0.13 — 0.3 |
| guaiaci | 5— 20 | 0.3 — 1.3 |
| jalapae | 2— 5 | 0.13 — 0.3 |
| podophylli | $\frac{1}{12}$ — $\frac{1}{6}$ | 0.005 — 0.03 |
| scammonii | 2— 10 | 0.13 — 0.65 |
| Resorcin | 2— 5 | 0.1 — 0.3 |
| Rheum | 2— 30 | 0.13 — 2. |
| Saccharin (substitute for sugar) | $\frac{1}{4}$ — 5 | 0.03 — 0.3 |
| Salipyrin (antipyretic, antineuralgic) | 8— 15 | 0.5 — 1. |
| Salol | 2— 10 | 0.15 — 0.65 |
| Salophen (antipyretic, antirheumatic) | 15— 20 | 0.3 — 1. |
| Santoninum | $\frac{1}{4}$ — 5 | 0.015 — 0.3 |
| Scopolamina hydrochlor. | $\frac{1}{16}$ — $\frac{1}{8}$ | 0.00027— 0.0011 |
| Sidonal | 5— 15 | 0.3 — 1. |
| Serum, antiplague (subcutaneously) | 5— 155 | 20. — 60 |
| antipneumococcic " | 5— 105 | 20. — 40. |
| antistreptococcic " | 24— 85 | 10. — 30. |
| antivenomous " | 24— 35 | 10. — 20. |
| Sodii arsenas | $\frac{1}{12}$ — $\frac{1}{6}$ | 0.001 — 0.006 |
| benzoas | 5— 15 | 0.3 — 1. |
| boras vel bromidum | 5— 30 | 0.3 — 2. |
| hyposulphis | 5— 20 | 0.3 — 1.3 |
| iodidum | 2— 30 | 0.13 — 2. |
| nitris | 1— 5 | 0.065 — 0.032 |
| phosphas | 2— 120 | 0.13 — 8. |
| salicylas | 5— 30 | 0.3 — 2. |
| Sodium cacodylate | $\frac{1}{4}$ — 5 | 0.03 — 0.3 |
| Somnal | 30— 45 | 2. — 3. |
| Sparteina sulph. (cardiant and diuretic) | $\frac{1}{12}$ — 4 | 0.004 — 0.25 |
| Spiritus aetheris nitrosi | 15— 120 | 1. — 8. |
| ather. comp. | 15— 120 | 1. — 8. |
| ammoniac arom. | 15— 60 | 1. — 4. |
| camphorae | 5— 30 | 0.3 — 2. |
| chloroformi | 15— 60 | 1. — 4. |

| REMEDIES. | Grains or Minims. | Grams or Cubic Centimeters. |
|---|---------------------------------|-----------------------------|
| Strontil lactas <i>vel</i> bromidum <i>vel</i> iodidum <i>vel</i> salicylas | 5 30 | 0.3 — 2. |
| Strychnina, and salts | $\frac{1}{64}$ — $\frac{1}{12}$ | 0.001 — 0.005 |
| stypticin | 1 4 | 0.06 — 0.25 |
| Sulphonal (best in hot mint-water) | 5 20 | 0.3 — 1.3 |
| Sulphur | 5 $\frac{1}{2}$ 5 4 | 2. — 15 |
| Syr. ferri iodidi | 5 — 30 | 0.03 — 2. |
| scillæ comp. | 5 — 30 | 0.03 — 2. |
| Tannaibin, Tannigen, Tannoform | 5 — 15 | 0.32 — 1. |
| Terebene | 5 — 15 | 0.3 — 1. |
| Terpin hydrate (tonic expectorant) | 2 — 5 | 0.13 — 0.3 |
| Tetanus antitoxin | 75 — 300 | 5. — 20. |
| Tetronal (hypnotic) | 15 60 | 1. — 4. |
| Theobrominæ et sodii salicylas (diuretic) | 5 30 | 0.3 — 2. |
| Thiocol | 5 — 15 | 0.3 — 1. |
| Thymacetin (analgesic, hypnotic) | 8 — 15 | 0.5 — 1. |
| Thymol | 1 5 | 0.06 — 0.3 |
| Thyroid gland | 1 — 5 | 0.06 — 0.3 |
| Tinct. aconiti | $\frac{1}{2}$ 5 | 0.03 — 0.3 |
| aloes | 15 60 | 1. — 4. |
| asafoetide | 30 60 | 2. — 4. |
| belladonna | 2 — 15 | 0.1 — 1. |
| cannabis ind. | 5 20 | 0.3 — 1.3 |
| capsici | 8 — 15 | 0.5 — 1. |
| cimicifugæ | 30 — 60 | 2. — 4. |
| cinchonæ comp. | 15 — 120 | 1. — 8. |
| colchici [sem.] | 5 — 20 | 0.3 — 1.3 |
| digitalis | 3 15 | 0.2 — 1. |
| ferri chloridi | 10 — 30 | 0.6 — 2. |
| gelsemii | 2 — 15 | 0.1 — 1. |
| guaiaci ammon. | 30 — 60 | 2. — 4. |
| hydrastis | 30 — 120 | 2. — 8. |
| hyoscyami | 5 — 30 | 0.3 — 2. |
| ignatie | 5 — 30 | 0.3 — 2. |
| iodi comp. | 7 — 15 | 0.06 — 1. |
| kino | 15 — 120 | 0.1 — 8. |
| lobeliæ | 5 — 30 | 0.3 — 2. |
| moschi | 15 — 60 | 1. — 4. |
| nucis vomicæ | 5 — 15 | 0.3 — 1. |
| opii | 2 — 15 | 0.1 — 1. |
| opii camp. | 5 — 210 | 0.3 — 16. |
| physostigmatis | 5 15 | 0.3 — 1. |
| stramon. | 5 — 15 | 0.3 — 1. |
| strophanthi (cardiant and diuretic) | 2 — 10 | 0.1 — 0.65 |
| valer. ammon. | 10 — 120 | 0.6 — 8. |
| veratr. vir. | 3 10 | 0.2 — 0.6 |
| Tolysal (antipyretic, antirheumatic) | 5 — 20 | 0.3 — 1.5 |
| Trional (hypnotic) | 15 — 60 | 1. — 4. |
| Uranium nitrate | 5 — 10 | 0.32 — 0.65 |
| Urea | 20 — 60 | 1.3 — 1. |
| Urethane (hypnotic) | 5 — 30 | 0.3 — 2. |
| Urotropin | 3 — 10 | 0.2 — 0.65 |
| Vin. antim. { expectorant and alterative | 1 — 8 | 0.06 — 0.5 |
| colchici { emet. | 30 75 | 2. — 5. |
| ergotæ | 5 — 15 | 0.3 — 1. |
| ipecac. { expect. | 5 15 | 0.3 — 1. |
| opii { emet. | 5 2 — f5 6 | 8. — 24. |
| opii | 5 15 | 0.3 — 1. |
| Zinci acet. | $\frac{1}{4}$ — 2 | 0.03 — 0.13 |
| oxid. | 1 — 5 | 0.06 — 0.3 |
| phosphid. | $\frac{1}{16}$ — $\frac{1}{4}$ | 0.006 — 0.01 |
| sulphas { alterative | 1 — 6 | 0.015 — 0.4 |
| sulphocarbolas { emetic | 15 — 30 | 1. — 2. |
| valerianas | $\frac{1}{2}$ — 5 | 0.3 — 0.3 |

THERAPEUTIC REMINDERS.

Abcess.

Alcohol, with milk.
Calcium sulphide. Cod-liver oil.
Hydrogen peroxide, 10 per cent. solution, to wash out.
Incision and antiseptic irrigation.
Iodoform gauze, packed, or oily solution of iodoform injected.
Iron. Quinine. Guaiacol.

Acidity.

Acids before meals.
Alkalies with or after meals.
Charcoal, creasote, bisulph.

Acne.

Fowler's solution or other arsenical.
Hot-water face-bath, followed by sulphur ointment or lotion. [liver oil.
Blaud's pill. Calcium sulphide. Cod-

Adenitis.

Hydrated calcium chloride (gr. 5).
Ichthyol. Iodoform or Iodoform-collodion. Iodine ointment, tincture of iodine, locally.
Iron, syrup of the iodide, grt. 5 to 30, in children.
Removal of gland. Guaiacol. Tonics.

Anemia.

Arsenic and iron, singly or combined.
Beta-naphthol. Bitters, with iron.
Chloride of gold and sodium.
Creosote. Bone-marrow.
Hypophosphites with cod-liver oil.
Laxatives and mineral acids.
Massage. Mercury in syphilitic cases.
Oxygen by inhalation.
Nitro-glycerin to relax vessels.
Pepsin or pancreatin.
Quinine in malarial cases.
Syrup of phosphate of iron, peroxide of hydrogen (10 vol. solution), and glycerin, equal parts (5ij in water,

Angina Pectoris.

Alcohol, when vascular relaxation.
Arsenic. Diet.
Ether, hypodermically during attack.
Iodides or salicylates.
Morphine, gr. $\frac{1}{4}$ to $\frac{1}{2}$, hypodermically.
Nitrite of amyl, grt. 5, from handkerchief during attack.
Nitrite of sodium or potassium, gr. $\frac{1}{2}$ to 5, thrice daily.
Nitro-glycerin, 1 to 20 drops of 1 per cent. solution, by mouth or hypodermically, p. r. n.

Apoplexy.

Croton oil, 1 drop in glycerin on tongue.
Flatterinum, gr. $\frac{1}{2}$ in butter on tongue.
Massage and electricity contraindicated in inflammation.
Opium and calomel in meningitis.
Potassium iodide after attack.
Trephining in selected cases.
Venesection, if patient is full-blooded.
Veratrum viride or aconite, when venesection is impossible.

Asthma.

Adrenal gland. Ammonium chloride.
Amyl nitrite inhaled. Arsenic.
Aspidospermin.
Belladonna, with morphine.
Bromides before retiring.
Coffee, strong black, in intervals.
Chloroform inhaled relaxes, liniment to chest prevents, spasm.
Fumes of potassium nitrate, with belladonna and stramonium.
Grindelia. Hyoscin. Tincture of lobelia. Ipecacuanha, to nausea.
Morphine, hypodermically.
Nitro-glycerin. Paraldehyde. Potassium iodid.
Euphorbia.
Sodium nitrite. Strychnine and atropine, hypodermatically.

Bed-sores.

Alum, with spirit of camphor and white of egg. Adhesive plaster.
Antiseptic wash, with iodoform.
Collodion. Iodoform collodion.
Glycerin, after washing and rubbing.
Soap plaster, after washing with bicarbonate solution, with iodoform.
Zinc ointment or dusting-powder.
Balsam of Peru, ointment.

Bright's Disease, Acute.

Rest in bed. Basham's mixture.
Cannabis indica, in hæmaturia.
Cups or leeches, over loins if urine scanty.
Digitalis, with squill or calomel, gradually increased, followed by compound spirit of juniper.
Heat. Milk diet.
Gallic acid and ergot, to control hæmaturia. Methylene-blue.
Pilocarpine hydrochlorate, gr. $\frac{1}{2}$ to $\frac{3}{4}$, hypodermically, for uremia.
Saline diuretics and diaphoretics.

Bright's Disease, Chronic.

Chloride of gold and sodium.
 Chloride of iron, in anemia, to decrease albuminuria. Nitroglycerin.
 Lithium salts, in gouty. Milk diet.
 Mercuric chlor. Oxygen inhalations.
 Potassium acetate, with juniper.
 Potassium iodide, gr. 5, thrice daily.
 Sodium arsenite, gr. $\frac{1}{10}$, in gouty.
 Strontium lactate. Turkish baths.

Bronchitis.

Aconite in early stage.
 Amber oil, to chest, in infants.
 Ammonium carbonate, chloride, etc.
 Balsams, to decrease secretion in chronic. Belladonna.
 Codeine, when cough excessive.
 Creosote, in chronic.
 Dry cups, on each side of vertebrae, at sixth rib.
 Eucalyptus oil, in later stages.
 Ipecac, to promote secretion, as emetic when suffocation threatens.
 Iodide of potassium. Myrtol.
 Oxygen inhalations.
 Senega, in chronic.
 Strychnine, to stimulate respiration.
 Terebene. Terpin hydrate, gr. v.
 Turpentine liniment to chest.
 Vomiting (apomorphine) in capillary.

Burns (locally).

Boric acid. Carbolyzed sweet-oil.
 Ichthyol ointment. Lead carbonate.
 Lime-water, linseed oil. Picric acid.
 Sodium carbonate. Zinc oxide.

Cholera Asiatica.

Beta-naphthol. Salol.
 Calomel, initial large dose (gr. x); subsequent fractional doses (gr. $\frac{1}{2}$).
 Enteroclysis (tannic acid enemata).
 Hypodermatoclysis (subcutaneous infusion, 0.6 % saline solution).
 Intravenous infusion. Hot baths.
 Musk. Protective inoculation.
 Stimulants.

Cholera Infantum.

Albumin-water or barley-water.
 Castor oil, with paregoric.
 Hot drinks, in collapse, with brandy.
 Mustard or spice plaster, over belly.
 Opiates, with utmost caution, if it all.
 Rectal irrigation, hot or cold, according to temperature.
 Salol or bismuth salicylate.
 Sterilized milk with pancreatin.

Cholera Morbus.

Castor oil, with laudanum.
 Ipecac, rhubarb. Magnesium sulphate.
 Morphine, hypodermically.

Chorea.

Arsenic, in ascending doses.

Chorea (continued).

Chloral. Cimicifuga, with iron.
 Hot pack, for insomnia.
 Quinine. Salicylates or iodides.

Colic.

Ascertain cause (may be appendicitis).
 Asafetida. Ether, internally.
 Heat. Hyoscyamus. Morphine.

Colic. Hepatic.

Chloroform or ether, inhalations.
 Hot applications.
 Morphine, with atropine, hypodermically.
 Olive or cotton-seed oil.
 Phosphate of sodium.

Conjunctivitis, Chronic.

Boric acid, wash (gr. 10 to ounce), cocaine, gr. 2, if no corneal ulcer, when salt, gr. 4, may be substituted.
 Copper sulphate crystals or solution (gr. 1-8 to ounce).
 Tannin glycerite (gr. x-xxx to 3j).

Conjunctivitis, Purulent.

Atropine or eserine, if corneal ulcer.
 Bichloride of mercury (1 to 7000), or boric acid (saturated solution) wash.
 Hot compress, if cornea is threatened.
 Ice compress, early.
 Silver nitrate, stick or solution (gr. 10 to ounce), excess neutralized with salt solution.

Constipation.

Aloes and podophyllin.
 Belladonna or hyoscyamus.
 Cascara sagrada. Castor oil.
 Colocynth, jalap, or senna. Diet.
 Electrical applications. Enemata.
 Glycerin, suppositories or enemata.
 Gymnastics, riding, or massage.
 Phosphate of sodium, in rickets.
 Salines, to unload bowels.
 Soap suppositories.
 Sulphur, if hemorrhoids present.
 Strychnine, as tonic.

Coryza.

Atropine, with morphine and quinine.
 Camphor, snuff, or inhalation of spirit.
 Aconite.
 Hot mustard foot-bath, hot draught.
 Dover's powder, rest in bed.
 Quinine, internally or spray.
 Turkish bath, aborts.

Croup, Membranous, and Diphtheria.

Boric acid with glycerin, locally.
 Corrosive sublimate, gr. $\frac{1}{2}$, every 2 h., or calomel, gr. $\frac{1}{2}$ to $\frac{1}{4}$, hourly.
 Antitoxin. Emetics. Intubation.
 Hydrogen dioxide (spray, gargle, swab). Formalin (locally).

Croup, Membranous, and Diphtheria (continued).

Iron, tincture of chloride, locally and internally. Gualacol (50 %), locally. Lime-water or lactic acid solution by swab or in spray.

Oxygen inhalations. Atropine. Strychnine. Musk. Quinine.

Papayotin or trypsin, by swab or spray. Steam and vapors from slaking lime. Tracheotomy.

Croup, Spasmodic.

Amyl nitrite, inhalations.

Belladonna, bromides, chloral, or opium.

Cold cloth around neck, and child in hot bath, air being moistened.

Enema.

Ipecac to nausea.

Spongio-piline or flannel, wet with hot water, to neck, covered with oil silk.

Treat rickets.

Cystitis, Acute.

Rest. Belladonna. Boric acid.

Cannabis indica.

Cocaine, vesical wash (1 to 2 per cent.).

Hot compress over bladder.

Hot sitz-bath and enemata.

Laudanum, $\text{gtt. } 30$, to starch water, $\text{oz. } 2$, in enema. Fl. ext. pichi.

Opium, belladonna, or iodoform suppository. Urotropin.

Cystitis, Chronic.

Alkaline and antiseptic irrigation.

Arbutin, gr. 3 to 5, or buchu.

Benzoic or boric acid.

Opium suppositories.

Potassium salts, except bitartrate.

Turpentine, oil of sandalwood, cubeb, or copaiba.

Silver nitrate, solution (gr. 1 to $\text{oz. } 4$).

Strychnine and cantharides, when vesical atony is great.

Delirium Tremens.

Capsicum and liquid food.

Chloral, with ammonium carbonate and coca. Hyoscine. Sulphonal.

Bromides. Morphin.

Diabetes Mellitus.

Antipyrin. Arsenic. Codeine, grs. 1-5. Ergot or gallic acid, with opium.

Jambul. Pancreatic extract.

Iron, lactophosphates of lime and sodium, strychnine and astringents.

Lithium, with arsenic. Gualacol. Salol.

Opium, oxygen, and H_2O_2 . Levulose.

Purgatives, restricted diet, and regulated exercise. Salicylates. Sodium phosphate. Strontium bromide.

Diarrhoea.

Rest.

Ammonium chloride, grs. 5.

Bismuth, with creasote.

Calomel, with a saline.

Camphor, in serous types.

Castor oil, with rhubarb or laudanum and sodium bicarbonate.

Chalk mixture, with kino and catechu.

Charcoal, in acid and fermentative.

Chloroform, with astringents and opium. Digitalis. Strychnine.

Copper sulphate, gr. $\frac{1}{2}$, with opium.

Ergot. Haematoxylin. Lime-water.

Mercury, with chalk. Milk-diet.

Naphthalin or beta-naphthol.

Nitric acid, with bitter tonic, in green diarrhoea of children.

Nitro-muriatic acid, or podophyllin.

Pepsin, with hydrochloric acid.

Phosphate of sodium, lime salts, and common salt, if rickets present.

Rhubarb. Sulphuric acid, valuable in serous. Thyniol, salol, and morphine.

Dropsy.

Recumbency.

Adonidin, sparteine, or strophanthus.

Calomel and caffeine. Cocaine.

Colocynth, compound extract.

Digitalis. Theobromine sodio-salicylate. Claterium, in renal.

Hot-air bath.

Jalap, compound powder, with potassium bitartrate, in renal.

Magnesium sulphate, concentrated solution.

Phloerapine, in renal dropsy.

Potassium iodide.

Dysentery.

Ergot, in bloody stools.

Hamamelis, injections.

Ice-water, injections.

Ipecac, in acute.

Lead acetate, with opium and camphor. Magnesium sulphate.

Mercury bichloride, gr. $\frac{1}{100}$.

Nitro-hydrochloric acid.

Peroxide of hydrogen and tannin, rectal injections. Potassium chlorate, rectal injections. Quinine enemata.

Silver nitrate, rectal injections (gr. 1 to 20 to ounce).

Dysmenorrhoea.

Antipyrin or acetanilide, in neuralgia.

Apiol. Manganese.

Belladonna, suppository.

Camphor, with acetanilide or antipyrin.

Cannabis indica and gelsemium.

Hot sitz-bath, with turpentine stupe, and Dover's powder.

Iron, strychnine, and quinine, with rest and riding.

Dyspnea.

Ammonium carbonate.
Arsenic, in emphysema.
Aspidospermine.
Dry cupping over back.
Morphine. Nitrites.
Oxygen.
Quebracho, with bromide.
Strychnine, with atropine.

Eclampsia.

Veratrum viride. Thyroid extract.
Chloral and bromide, each 1 drachm,
by rectum.
Chloroform.
Elatarium, gr. $\frac{1}{2}$. Jalap.
Extraction of child.
Hot bath. Opium. Venesection.

Epididymitis.

Guaicol, topically.
Ice-bags. Ichthyol. Iodide of potassium
Iodine, or silver nitrate solution.
Mercury and belladonna ointments,
equal parts, or iodine, grs. 4, with
lanolin, ounce 1, locally.
Strapping testicle.

Epilepsy.

Amyl nitrite, inhalations.
Antifebrin and antipyrin.
Belladonna, with bromides. Borax.
Bromides. Chloral, with bromides
Sulphonal. Trional. Urethane.

Epistaxis.

Acetic acid, locally.
Alum powder, pure or with starch.
Ergot, turpentine, hamamelis, or oil
of erigeron, internally.
Hot-water and hot foot-bath, cold-water
bags to dorsal vertebrae
Ice applied to nose
Nitrate of silver stick to septal ulcer.
Plugging anterior and posterior nares.
Vinegar or lemon-juice, injected.

Fever.

Rest in bed.
Acetate. Alcohol.
Cold baths, coils, packs, sponging, ice-
bags, etc.
Musk, by rectal injection. Quinine.
Solution of potassium citrate or of am-
monium acetate.
Spirit of nitrous ether.
Strychnine.

Gastralgia.

Arsenic. Belladonna. Silver.
Bismuth and pepsin, after meals.
Bromides or valerian.
Counter-irritation.
Cannabis indica. Hoffman's anodyne.
Hot applications.
Massage, enemata, diet, suppositories

Gastralgia (continued).

of gluten, glycerin, or soap, to over-
come constipation.

Gastric Catarrh. Acute.

Cocaine (in vomiting). Diet.
Effervescing draughts. Ice.
Milk, with lime-water (peptonized).
Seidlitz powder, one-fourth of one
every fifteen minutes.
Sodium bicarbonate, with gentian.

Gastric Catarrh. Chronic.

Bismuth subnitrate. Nux vomica.
Diet, koumyss, light broths.
Lavage or hot-water potations.
Silver nitrate and hyoscyamus.
Strontium lactate or bromide.

Gastrectasis.

Cod-liver oil.
Electricity.
Enemas, nutrient.
Gentian and calumba.
Iodide of iron, lactophosphate of
lime, phosphate of sodium.
Lavage. Massage. Strychnine.

Gastric Ulcer.

Arsenic and Opium. Bismuth.
Counter-irritation.
Ergot or cracked ice.
Milk diet or rectal feeding. Rest.
Silver nitrate, with hyoscyamus,
opium, or belladonna in pill

Gonorrhoea.

Benzoic acid, with cannabis indica.
Cocaine (4 per cent. sol.) in urethra.
Copaiba. Cubeb. Argonin (2 per cent.).
Hydrastis, locally and internally.
Lead-water and laudanum.
Mercuric chloride (1 to 20,000 or 1 to
40,000), to flush urethra.
Opium and belladonna. Protargol (1%).
Potassium permanganate injections.
Silver nitrate, injections (gr. 2 to 4 to
ounce). Sandalwood oil.
Sodium bicarbonate. Potassium ci-
trate. Fl. ext. pichi.
Zinc sulphate injections (gr. $\frac{1}{2}$ to oz.).

Gout.

Blisters, flying. Chloroform liniment.
Cod-liver oil. Water.
Colchicum, wine of root.
Fowler's solution of arsenic.
Ichthyol ointment to painful joints.
Iodide of iron and cod-liver oil.
Iodide of potassium, with colchicum.
Iodine, ointment or tincture.
Lithium carbonate or citrate, inter-
nally, locally.
Morphine. Piperazine. Phenocoll.
Strontium salts. Tetra-ethyl-ammo-
nium

Hay Fever.

Arsenic. Opium. Adrenal gland.
Atropine, gr. $\frac{1}{16}$, repeated once in
two hours. Mineral acids.
Climate. Sodium salicylate.
Cocaine, 2-4 per cent. solution, atom-
ized in nose. Physical exercise.
Cotton plug in nostrils.

Headache.

Treat cause.
Antipyrin. Antifebrin.
Bromides. Croton chloral.
Caffeine, with bromide.
Capsicum plaster, to neck.
Refraction, if eye-strain.
Ergot, if congestion.
Gelsemium. Guarana.
Heavy magnesium.
Hydrobromic acid. Methylene-blue.
Mustard foot-bath.
Nux vomica, in sick headache.
Phenacetin. Purge or emetic.
Sodium bicarbonate.

Hematemesis.

Rest. Adrenalin.
Ergot, hamamelis, or ipecac.
Ice, cracked.
Iron, tincture of chloride, or turpen-
tine, internally.
Lead acetate with morphine or opium.
Silver nitrate, gr. $\frac{1}{2}$, in pill.
Tannic acid, gr. 20 to drachm of water.

Hematuria.

Rest.
Camphor, gr. 10 to 20, in pill.
Ergot. Gallic acid, gr. 20.
Hamamelis, injected. Quinine.
Styptic injections, rarely.
Turpentine.

Hemoptysis.

Absolute rest. Alum (gr. 20 to ounce),
in spray. Calcium chloride.
Cup or strap extremities.
Ergot, fluid extract. Gallic acid.
Ice over heart.
Ipecac, in small doses.
Morphine, hypodermically.
Turpentine or erigeron oil.

Hemorrhage, Intestinal.

Enemas, styptic. Ice to abdomen.
Ice, by mouth, and Monsel's salt, gr.
3, in pill. Ice-water injections.
Lead acetate and camphor.
Liquid food (peptone or beef-juice) ab-
sorbed from stomach. No milk.
Sulphuric acid.
Tannic acid and opium. Turpentine.

Incontinence of Urine.

Antiseptic fluids, to cleanse bladder.
Arsenic, with nux vomica.

**Incontinence of Urine (con-
tinued).**

Belladonna with bromide.
Catheterization, if due to retention.
Circumcision. Elevation of hips.
Ergot. Hyoscyamus. Strychnine.
Nitrate and potassium citrate.
Rhus aromatica, in children.

Insomnia.

Bromide of potassium.
Bath, hot or cold.
Chloral, if not due to pain.
Chloralamide. Chloralose.
Croton-chloral.
Food at night.
Hot-water bags to feet, cold to head.
Hyoscyne.
Morphine, with chloral. Paralde-
hyde. Opium, to relieve pain.
Remove indigestion.
Somnal. Chloralamid.
Sulphonal. Trional.
Valerian, in nervousness.

Intermittent Fever.

Arsenic.
Calomel. Guaiacal.
Ice-pack, if fever excessive.
Iodine. Methylene-blue.
Podophyllin, preceding quinine.
Quinine.

Iritis.

Atropine.
Ice compress.
Eserine.
Iodide of potassium, with mercury.
Leeches and heat, to relieve pain.
Mercury, by inunction.

Keratitis, Interstitial.

Antiseptic lotions.
Antisyphilitic treatment.
Atropine.

Keratitis, Phlyctenular.

Atropine.
Boric acid, solution.
Cold-water douche.
Tonics and alteratives.
Yellow oxide of mercury ointment.

Laryngitis, Acute.

Calomel, followed by saline purges.
Ice, externally.
Inhalation from steaming water of
compound tincture of benzoin, with
paregoric.
Voice not to be used.

Laryngitis, Subacute.

Cold compress, externally.
Inhalations of recent vapor of ammo-
nium chloride.
Zinc sulphate (gr. 4 to ounce), spray.

Leucorrhœa.

Alum or boric acid, douche.
 Belladonna, with tannic acid, applied on cotton. Hematoxylon.
 Hot sitz-bath, or vaginal injections.
 Hydrastis injections.
 Iron, with tonics.
 Potassium permanganate, as injection.
 Tampon, iodoform and tannic acid.
 White-oak bark, or tannic acid and glycerin.

Lumbago.

Acupuncture. Ammonium bromide.
 Atropine (gr. $\frac{1}{60}$), morphine (gr. $\frac{1}{6}$), into muscle.
 Chloroform liniment.
 Foot-bath and Dover's powder.
 Ice-bag or ether spray to loins.
 Ironing back with laundry-iron.
 Massage. Monobromated camphor.
 Mustard or capsicum plaster.
 Potassium iodide or salicylic acid.

Mania.

Anæsthetics or apomorphine.
 Bromides.
 Cannabis indica, with bromides.
 Chloral, if kidneys healthy.
 Cimicifuga, after confinement.
 Cold douche to head.
 Hyoscine hydrobromate. Morphine.
 Tonics, if after typhoid, etc.

Mastitis.

Belladonna, to breast.
 Breast-pump, if milk persists.
 Compression. Incision, if pus.
 Purges.

Meningitis, Acute.

Belladonna.
 Blister early.
 Bromides and chloral.
 Calomel, with opium.
 Ergot.
 Ice-bag to head.
 Leeches. Venesection.

Migraine.

Bromide of sodium, with caffeine.
 Cannabis indica. Croton chloral.
 Gelsemium, with cannabis indica.
 Hyoscyamus, with calomel.
 Salicylic acid.

Myalgia.

Ammonium chloride or bromide.
 Clove oil, added to liniment.
 Electricity. Heat.
 Iodide of potassium or salicylates.
 Massage.

Nasal Catarrh.—See "CORYZA."**Neuralgia.**

Aconitine. Gelseminine.

Neuralgia (continued).

Acupuncture, nerve-stretching, or neurectomy. Acetanilide.
 Ammonium chloride. Antipyrin.
 Bromide of potassium, with caffeine
 Camphor and chloral liniment, locally
 Cimicifuga, in ovarian.
 Castor oil
 Freezing parts with ether.
 Hydrocyanic acid, in intestinal.
 Hyoscyamine.
 Iodide of potassium.
 Iron and arsenic.
 Morphine, injected locally.
 Mustard plaster.
 Nux vomica.
 Peppermint oil or menthol, locally
 Phenacetin.
 Phosphorus.
 Quinine.
 Specific remedies.
 Turkish bath.

Night-Sweats.

Agaricin.
 Belladonna or atropine.
 Camphoric acid.
 Ergot. Gallic acid.
 Hot bath at bedtime. Hyoscin.
 Picrotoxin (gr. $\frac{1}{60}$) or strychnine.
 Pilocarpine.
 Sulphuric acid, with morphine.

Pericarditis.

Alcohol, digitalis, or caffeine.
 Aspiration, gradual.
 Blister, over præcordium.
 Calomel, with opium.
 Iodide of potassium.
 Jalap or elaterium, or saline purge.
 Leeches or ice-bag, over præcordium.

Peritonitis, Acute.

Belladonna and opium.
 Calomel or salines.
 Leeches or mustard plaster.
 Pancreatinized milk.
 Section.
 Turpentine stupe.

Pleurisy.

Aspiration.
 Blisters. Sinapisms. Leeches.
 Digitalis or pilocarpus.
 Elaterium or jalap.
 Ice-poultice or jacket.
 Iodine or guaiacal, locally.
 Iodide of potassium.
 Salicylates.
 Saline purges. Strap chest.

Pneumonia.

Alcohol.
 Ammonium salts. Turpentine.
 Blisters. Turpentine stupe.
 Cardiac and respiratory stimulants.
 Cups, wet or dry. Calcium chloride.

Pneumonia (continued).

Digitalis. Aconite. Veratrum viride.
Ice-poultice or lamb's-wool jacket.
Intravenous injection of blood-serum
from a convalescent.
Leeching, bleeding, cardiac sedatives.
Mustard plaster.
Nitrites. No antipyrin.
Oxygen inhalations.
Saline solution by hypodermoclysis.
Strychnine. Guaiacol.

Post - Partum Hemorrhage.

Abdominal massage.
Ergot.
Ether, hypodermically.
Hot intra-uterine douche.
Suture, if due to laceration.
Tamponing with iodoform gauze.
"Turn out that clot."

Pruritus.

Arsenic, quinine, bitter tonics, cod-liver oil.
Calomel and lard, locally.
Carbolic acid, well diluted, locally.
Cocaine. Heat.
Cold douche and injections.
Diabetic treatment.
Goulard's extract, dilute.
Hydrocyanic acid, locally.
Mercuric chloride, 1:250, as wash.
Silver nitrate, locally, preceded by cocaine.
Sodium bicarbonate or borax.

Psoriasis.

Anthraxolin. Aristol. Arsenic.
Baths of sulphides.
Chrysarobin, internally, or ointment.
Gallic acid ointment. Thyroid extract.
Resorein. Ichthiol. Thiol.

Puerperal Fever.

Bichloride of mercury (1 to 5000) or creolin (2 per cent.) solutions.
Curette, to remove membranes.
Salines, if peritonitis develops.
Celiotomy, if peritonitis develops.
Nutriment and alcoholic stimulants.
Iodine and carbolic acid applied to ulcerated wounds.

Rheumatism, Acute.

Rest.
Alkalies and quinine.
Blisters over joints.
Cimicifuga. Aspirin.
Cold applications, if hyperpyrexia.
Iron, tincture of chloride.
Oil of gaultheria. Acetopyrine.
Potassium iodide. Phenocol.
Rhus toxicodendron.
Salicin or salicylic acid and its salts.
Sodium bicarbonate, applied on lint.
Salol

Rheumatism, Chronic.

Arsenic. Blisters, repeated.
Baths of sulphidea. Turkish baths.
Cod-liver oil. Dry hot air.
Ichthiol.
Iodine, locally.
Mistura ferro-salicylata.
Potassium iodide, colchicum, and sar-saparilla.
Veratrine ointment.

Rickets.

Cod-liver oil.
Cool sponging.
Iodide of iron. Oxygen inhalation.
Lime salts, phosphorus.
Quinine, cod-liver oil, nux vomica.

Scarlet Fever.

Alcohol.
Ammonium acetate.
Carbolic acid in benzoated lard, vaselin, cosmolin, or almond oil, locally.
Chloral.
Cold sponging.
Ice-bag or rubber head coil.
Jalap, with potassium bitartrate.
Pilocarpine.
Peroxide of hydrogen, locally.
Strychnine, iron, simple bitters, quinine, or Basham's mixture.
Warm, wet pack.
Water, pure, in large amounts.

Sciatica.

Blister or cautery.
Cod-liver oil. Castor oil.
Chloroform, ether, or osmic acid, deeply injected.
Ether or rhigolene, sprayed.
Ice, locally. Dry heat.
Morphine, injected.
Nerve-stretching.
Potassium iodide. Rest, with splint.
Salicylic acid and iron.

Scrofulosis.

Arsenic or corrosive sublimate.
Calcium chloride (hydrated).
Cod-liver oil. Guaiacol.
Excising gland, packing with iodoform gauze.
Ichthiol ointment.
Iodine ointment.
Iron, syrup of the iodide.
Lactophosphates or hypophosphites.
Phosphate of sodium or lime.
Sulphide of calcium.

Sore Throat.—See "TONSILLITIS."

Sprains.

Cold and hot applications, alternately.
Fomentations. Rest. Plaster dressing.
Lead-water and laudanum.
Massage, followed by bandaging.

Stings and Bites.

Alkaline liquids, locally.
 Calmette's serum for snake-bites.
 Carbolic acid. Ether.
 Corrosive sublimate, with flexible collodion. Iodine, tincture, locally.
 Ligature, or cleansing of wound.
 Potassium permanganate.
 Vinegar, locally.

Tonsillitis.

Calomel and quinine. Guaiacol.
 Guaiac, internally and as gargle.
 Hydrogen peroxide, in spray.
 Iron, tincture of the chloride. [gle.
 Salol and salicylates. Potass.chlor., gar
 sodium bicarbonate, locally

Tuberculosis.

Arsenic. Atropine, hypodermically
 in night-sweats.
 Chlorine, by inhalation.
 Chloroform, terebene, and ethyl iodide
 by inhaler
 Codeine. Cod-liver oil.
 Compressed and rarefied air
 Creosote. Guaiacol. Eucalyptol.
 Gavage (overfeeding).
 Glycerin and water, with lemon-
 juice.
 Iodine, internally, hypodermatically,
 and over pleuritic spots
 Iodoform, in pill and locally
 Lactic acid, locally.
 Lactophosphates and hypophosphites.
 Morphine and wild cherry bark.
 Menthol, locally.
 Nitrogenous diet.
 Oxygen inhalations
 Peroxide of hydrogen.
 Strychnine. Respiratory gymnastics.
 Surgical measures.
 Tuberculin and Tuberculoicin in se-
 lected cases.

Typhoid Fever.

Alcohol. *No antipyretic.*
 Calomel. Water, freely.
 Cold baths, systematically.
 Enemas. Guaiacol.
 Hydrochloric acid.
 Morphine. Quinine.
 Rest and diet.
 Salol. Betanaphthol.
 Turpentine in stupes, enemata, or by
 mouth.

Ulcers (locally).

Acetanilide. Aristol.
 Bismuth benzoate. Burnt alum.
 Carbolic acid. Carbonic-acid gas.
 Caustic potash. Copper sulphate.
 Creolin. Iodoform.
 Gallie acid ointment. Hamamelis.
 Hydrogen peroxide
 Nitric acid, for phagedenic.
 Orthoform. Potassium permanganate.

Ulcers (locally) (continued).

Precipitated carbonate of calcium, as
 dry dressing
 Silver nitrate. Iodoform.

Varicose Veins.

Bandage.
 Barium chloride, internally and lo-
 cally.
 Hamamelis. Operation

Vomiting.

Bromides, with laudanum.
 Calomel (gr. $\frac{1}{2}$), ext. hyoscyami (gr. ss)
 Carbolic acid, with bismuth
 Cerium oxalate. Chloroform. Creosote.
 Cloves, oil of. Cocaine (gr. $\frac{1}{16}$ to gr. $\frac{1}{8}$)
 Enemas, partially digested
 Fowler's solution
 Hydrocyanic acid, dilute
 Hydrochloric acid, dilute
 Ice-bag. Ipecac. Lavage
 Lime-water, added to milk.
 Mustard plaster over stomach.
 Nux vomica.
 Oxygen-water.
 Peptonized milk and beef.
 Podophyllin. Position.
 Seidlitz powder.

Vomiting of Pregnancy.

Arsenic
 Bromide of potassium.
 Cerium oxalate.
 Cocaine.
 Iodine, tincture of.
 Ipecac, wine.
 Menthol.

Whooping Cough.

Amyl nitrite.
 Antipyrin.
 Belladonna, tincture of.
 Bromoform
 Chloral. Chloroform.
 Hyoscyamus.
 Hydrogen peroxide.
 Monobromated camphor.
 Ouabaine.
 Quinine.
 Resorcin, 2 per cent. solution.

Worms.

Aspidium.
 Calomel.
 Carbolic acid lotion, to destroy eggs
 Castor oil
 Chenopodium, oil of.
 Kamala, drachms 1 to 2, in syrup.
 Lime-water injections.
 Pelletierine.
 Pepp.
 Quassia injections.
 Salicylic acid.
 Santonin.
 Spigelia.
 Turpentine and castor oil.

LIGATION OF ARTERIES.

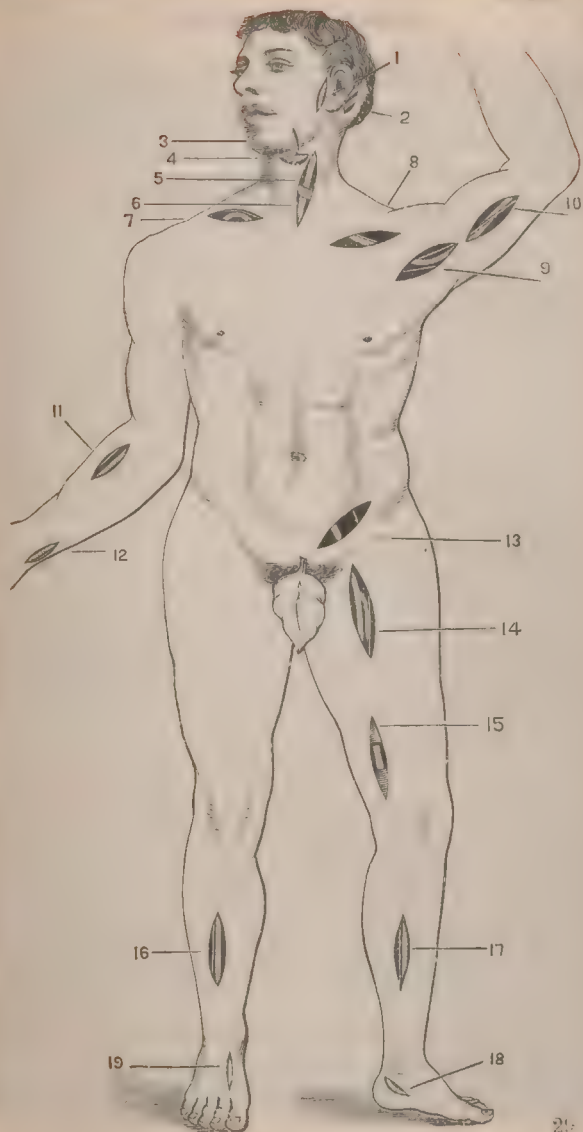
The accompanying plate indicates the positions in which the operation of ligating arteries in their continuity is most commonly performed. There is no point at which ligatures are applied which is not represented, with the exception of a few which are very rarely chosen. With the explanations which follow, this diagram will serve as a guide to the practitioner who may be called upon in an emergency to perform an operation in regard to which he has grown somewhat rusty from want of practice.

1. Ligation of the Temporal Artery.—The temporal artery is the continuation of the external carotid from the level of the lobe of the ear to the level of the eyebrow, where it divides into its terminal branches. The point at which it is ligated is a little in front of the anterior curve of the concha. A vertical incision, about an inch in length, is made in front of the concha. The artery is easy to find, as it is very superficial at this part of its course. Its accompanying vein lies to the outer side, and the temporal branch of the auriculo-temporal nerve lies in front of it.

2. Ligation of the Occipital Artery.—The occipital artery comes off from the posterior part of the external carotid at about the level of the angle of the lower jaw. It curves backward under and to the inner side of the mastoid process, at the back of which it comes out through the attachment of the trapezius muscle, and winds in a tortuous course upward over the occipital bone. The point at which it is ligated is about an inch behind the ear. An incision, an inch and a half long, parallel to the posterior edge of the mastoid process, will expose it. Its accompanying vein lies to the outer side of it. (There are but few occasions when it is necessary to ligate this artery, as its position makes it very easy to stop the flow of blood through it by pressure with a suitable compress and bandage.)

3. Ligation of the Facial Artery.—The facial artery comes off from the external carotid just below the level of the angle of the lower jaw, and passes forward below this bone to a point just in front of the insertion of the masseter muscle. Here it sends a branch forward, the submental, while the main trunk curves up over the lower jaw and passes in a tortuous course toward the angle of the mouth. The point at which it is ligated is that at which it ascends in front of the masseter muscle. An incision an inch in length will expose it. Its accompanying vein lies to the outer side.

4. Ligation of the Lingual Artery. The lingual artery comes off from the external carotid at the level of the great cornu of the hyoid bone; it passes forward under the posterior belly of the digastric muscle, and the stylo-glossus and hyo-glossus muscles, to the root of the tongue, and thence to its further distribution. It is in some respects the most difficult artery to ligate in the whole body. The point at which it is ligated is the second part of its course, under the hyo-glossus muscle. An incision is made about half an inch above, and parallel to, the great horn of the hyoid bone, and extending from just in front of the anterior edge of the sterno-cleido-mastoid muscle to near the middle line of the neck, half an inch below the base of the jaw. The skin and subcutaneous fat having been divided, the capsule of the sub-maxillary gland will be met. This capsule must be divided, and the gland carefully drawn up over the jaw. In doing this great care must be taken not to injure the facial artery and vein, which pass through the gland. The posterior part of the capsule of the gland must next be divided. This will expose the shining aponeurosis which constitutes the pulley of the digastric muscle and attaches it to the great horn of the hyoid bone, near the insertion of the stylo-hyoid muscle. Behind these passes the hypoglossal nerve. This must be delicately detached from the sheath of the hyo-glossus muscle, which lies below it, and pushed up out of the way. As the next step, fix the pulley of the digastric with a tenaculum and gently insinuate a director behind the posterior edge of the hyo-glossus muscle, and push it forward between this and the middle constrictor of the pharynx, which lies under-



neath it, in a line parallel to, and just above, the greater horn of the hyoid bone. The hyoglossus muscle is then to be divided on the director, and the lingual artery is exposed. In placing the ligature the needle should be passed from above downward, so as not to injure the hypoglossal nerve. The important guides in this ligation are the hyoid bone, the pulley of the digastric muscle, and the hypoglossal nerve.

5 and 6. Ligation of the Common Carotid Artery.—For ligation, the common carotid artery is divided into two portions by the narrow omo-hyoid muscle, which crosses it near its middle. (shown in the cut.) The upper portion is comparatively superficial, and occupies what on this account is called the triangle of election. The lower portion lies deeper, and occupies what for this reason is called the triangle of necessity. (The cut represents the incisions for both these ligations united.)

5. Ligation of the Common Carotid Artery in the Triangle of Election.—The patient should be recumbent, with the head extended and turned toward the opposite side. An incision should be made along the anterior edge of the sterno-cleido-mastoid muscle, from about an inch below the angle of the lower jaw to a little below the cricoid cartilage. The superficial fascia, the platysma-myoides muscle, and the deep fascia are then to be divided on a director. The sterno-mastoid muscle must then be held back, and the deep layer of the deep fascia picked up and carefully divided on a director. This will expose the sheath of the blood-vessels, and perhaps the *descendens noni* nerve. Avoiding the latter, the sheath of the vessels is to be picked up with forceps and nicked with a scalpel. A director is then to be introduced, and the sheath slit up upon it. The artery is now to be separated from the internal jugular vein, which lies to the outer side, and from the pneumogastric nerve, which lies back of and between the artery and vein. The ligature should be passed from without inward.

6. Ligation of the Common Carotid Artery in the Triangle of Necessity.—The position of the patient should be the same as for the operation just described. The incision should be made along the inner edge of the sterno-mastoid muscle, and from the middle of the neck to the top of the sternum. The skin, superficial fascia, and platysma-myoides muscle are then to be divided. Then the deep fascia is to be divided on a director, avoiding injury to the anterior jugular vein. When the edges of the wound are drawn asunder, another layer of the deep fascia will be exposed, which must be lifted with forceps, nicked, and then carefully divided on a director. Under this lies the sheath of the blood-vessels, and upon it the *descendens noni* nerve. The subsequent steps of the operation are the same as those described for ligation in the triangle of election.

7. Ligation of the Subclavian Artery. The point of election for ligation of this artery is the outer side of the scalenus anticus muscle. An incision is made parallel to and just above the clavicle, from the outer half of the clavicular insertion of the sterno-cleido-mastoid muscle to the anterior edge of the trapezius muscle, taking care not to go deep enough to cut the external jugular vein. The skin, superficial fascia, and the platysma-myoides muscle are to be divided. Then the external jugular vein is to be drawn aside. If this be impossible, it must be divided between two ligatures. The loose connective tissue must now be carefully broken up with a director and a search made for the artery. It must be remembered that it lies to the outer side of the scalenus anticus muscle and to the inner side of the cords of the brachial plexus. When found, it is to be very cautiously separated from its attachments to the pleura, and the ligature passed from below upward. The greatest care is necessary to avoid injuring the vein or the pleura, or including a nerve in the ligature.

8 and 9. Ligation of the Axillary Artery.—This artery is ligated in its first portion just after passing over the first rib, and in its third portion in the axilla.

8. Ligation of the First Portion of the Axillary Artery.—The arm is drawn away from the side, and an incision about three inches in length is made in the line which marks the division between the upper and lower parts of the pectoralis major muscle. The superficial and deep

fasciæ must be divided on a director. The muscular interspace is then to be sought for, and the two parts of the muscle separated, working up toward the clavicle, and not directly backward. As this is done, the arm should be brought back to the side, so as to relax the parts. The costo-coracoid membrane is next to be found and opened on a director. The artery lies beneath it. It is to be carefully isolated from the axillary vein, which lies on its inner, or lower, side, and the axillary nerves, which lie to its outer side. The ligature should be passed from within outward, or from below upward.

9. *Ligation of the Axillary Artery in the Axilla.*—This is the most accessible part of the artery. It is reached by drawing the arm away from the body, and making an incision about three inches long over the course of the vessel, at the junction of the anterior and middle thirds of the axilla. The deep fascia must be divided on a director, and the artery will be found beneath it, with the axillary vein on the ulnar side toward the back of the arm, and the median nerve on the radial side toward the front of the arm. The ligature should be passed from the ulnar toward the radial side, so as not to injure the vein.

10. *Ligation of the Brachial Artery, in the middle of the arm.*—An incision about two inches in length is to be made along the inner edge of the swell of the biceps muscle, at the middle of the arm. After dividing the skin and superficial fascia, and any fat that may be met with, the fibrous membrane which encloses the biceps muscle will be encountered. This is to be divided on a director, and the loose connective tissue along the edge of the muscle broken up, when the artery will be exposed. Care must be taken not to divide the median nerve, which crosses the brachial artery near its middle, passing from the radial toward the ulnar side, and not to include it in the ligature. The venæ comites lie one on each side of the artery.

11. *Ligation of the Radial Artery, in the upper third.*—An incision is to be made in a line drawn from the middle of the bend of the elbow to the point at which the pulse can be felt at the wrist. The median vein is to be avoided in incising the superficial fascia. When the deep fascia has been exposed, a yellow line, marking the division between the supinator longus, on the radial side, and the pronator radii teres, on the ulnar side, is to be looked for. The fascia is to be opened along this line, and the artery will be found below it. The radial nerve lies to the radial side of the artery, but so far away as to be in little danger of being injured.

12. *Ligation of the Ulnar Artery, in the lower third.*—An incision is to be made in the depression between the flexor sublimis digitorum and the flexor carpi ulnaris, just above the carpus. The skin and superficial fascia are to be divided, and then the deep fascia is to be picked up with the forceps and divided on a director. The artery will be found lying on the pronator quadratus, alongside the tendon of the flexor carpi ulnaris, with the ulnar nerve on its ulnar side. The ligature should be passed from the ulnar toward the radial side, avoiding the nerve.

13. *Ligation of the External Iliac Artery.*—An incision is to be made nearly parallel to Poupart's ligament, and about an inch above it, extending from about an inch above the anterior superior spinous process of the ilium to a point near the external abdominal ring. This incision should curve slightly upward at both ends. The skin and superficial fascia are to be divided, and ligatures to be applied to any vessels which bleed. The tendon of the external oblique muscle is to be divided, and then the internal oblique and the transversalis muscles. The separation of the transversalis fascia is a work of the utmost delicacy, to be effected with the forceps and the finger, the latter restraining and protecting the peritoneum. A finger passed down into the pelvis through the opening will discover the artery. The accompanying iliac vein lies to the inner side of the artery, and the anterior crural nerve at some distance to its outer side. The ligature should be passed from within outward.

14. *Ligation of the Femoral Artery in Scarpa's Triangle.*—The point of election for ligation of the femoral artery is at the apex of Scarpa's triangle. To accomplish it, the leg should be flexed at the knee, and the thigh slightly flexed upon the abdomen, abducted and rotated

outward, so as to lie on its outer side. An incision should then be made, over the course of the artery, in a line bisecting Scarpa's triangle from the middle of its base to its apex. This incision should be about three inches long, and its middle should be over the apex of the triangle. The skin, superficial fascia, and fat having been divided, the inner edge of the sartorius muscle must be found and drawn outward. The artery will now be found, with the vein to the inner side and a little behind it, and several nerves on the outer side. The artery should be carefully isolated after opening its sheath, and the ligature passed from within outward.

15. Ligation of the Femoral Artery in Hunter's Canal.—This rare ligation is performed by placing the limb in the position for the preceding operation, and making an incision from the apex of Scarpa's triangle toward the back part of the internal condyle of the femur, avoiding the saphena vein. After passing through the skin, superficial fascia, and fat, the deep fascia will be seen, binding down the sartorius muscle. This membrane is to be opened on a director and the muscle drawn backward. This will disclose the aponeurotic sheath which covers the femoral artery at this point. This sheath must be opened, and the artery will be exposed. In ligating it, care must be taken not to injure the long saphenous nerve, which accompanies it, or the femoral vein, which here lies behind it and toward its outer side. The ligature should be passed very carefully from without inward.

16. Ligation of the Anterior Tibial Artery, in the middle third. An incision is to be made, about three inches long, in a line passing from a point midway between the tubercle of the tibia and the head of the fibula, to a point midway between the two malleoli. When the deep fascia has been reached, a yellow line may be found, indicating the septum between the tibialis anticus muscle and the extensor longus digitorum. Along this line the aponeurosis is to be divided on a director, and the two muscles carefully separated until the extensor proprius pollicis is met with, when this is to be separated from the tibialis anticus until the artery is reached. It is accompanied by two venae comites, which it is not important to regard if they are difficult to separate from the artery. The anterior tibial nerve lies either in front or at the outer side of the artery. To avoid injuring it, it should be pressed to the outer side of the wound and the ligature should be passed from without inward.

17. Ligation of the Posterior Tibial Artery, in the middle third.—An incision three inches long is to be made parallel to the inner border of the tibia and about half an inch back of it, and carried down to the superficial fascia. This is to be carefully opened, avoiding injury to the internal saphenous vein and nerve, which lie in the track of the wound. They must be found and drawn aside. Then the deep fascia is to be divided on a director, and the inner border of the soleus muscle is to be pressed away from the tibia, when the vessel will be exposed. It is accompanied by two venae comites and the posterior tibial nerve, which lies to the fibular side of it. The veins and nerve being separated from the artery, the ligature should be passed from the fibular toward the tibial side.

18. Ligation of the Posterior Tibial Artery behind the Internal Malleolus.—A slightly curving incision an inch and a half long is to be made behind the internal malleolus, and about half-way between it and the tendo Achillis. The skin and superficial fascia having been divided, the deep fascia is to be lifted and divided on a director. The artery will then be exposed, accompanied by its venae comites, and the posterior tibial nerve, which lies to the back of it and toward the fibular side. The ligature should be passed from behind forward.

19. Ligation of the Dorsalis Pedis Artery.—An incision an inch long is to be made on the back of the foot between the inner tendon of the extensor brevis digitorum and the outer side of the tendon of the extensor longus pollicis. These tendons can be mapped out by manipulating the great toe. After dividing the skin, the superficial fascia, and the deep fascia, the artery will be exposed. The continuation of the anterior tibial nerve lies to the fibular side of the artery. The ligature should be passed from the fibular toward the tibial side.

VIS

FOR

THE
MEDICAL NEWS
VISITING LIST.

RECORDS OF PRACTICE.
FOR THIRTY PATIENTS PER WEEK.

1903.

NAME.

Su. M. Tu. W. Th. F. Sa.

1 2 3

Mr. K. H. S.

c

Mrs. T. Kerner 138 Madison St.

c

Mrs. Murray 1747 Mass.

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Mrs. Bertha. Montreal

c

Record.

January, 1903.

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MEMORANDA.

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| Leen Bosch 130 W 75th | c | | | | | |
| Mrs Judd | c | | | c | c | |
| On Francis Child. New York | | | | c | | |
| Long 1723 1/4 St | | | | c | | |
| Engel N. | | | | c | | |
| Mrs Sommerville. Mumburn. Pa | | | | | c | |
| At Gumbels 220th Ave, 202 | | | | | c | |
| Mrs Harr. 3rd St. Wash DC | | | | | c | |
| Mrs Lafferty 1403 10 Ave | | | | | c | |
| Mrs Allen 25 72 Macmillan St | | | | | c | |
| Capt Shollen as a | | | | | | c |
| At Sallen 824 9 St. Wash | | | | | | c |
| Mrs 216 Mitchell | | | | | | c |
| Mrs Wilson Longfellow St | | | | | | c |
| Nicola. Shover | | | | | | c |

Charge. Brought Forward. Total.

MEMORANDA.

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lunch. & 25¢ ch. pd
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January, 1903.

Daily

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| Max Ambach 1716 2nd St. | c | | | | | | |
| Mr Wardley Collington | | c | | | | | |
| Miss Brantenthal | | c | | | | | |
| J H Davidson 509 W 7th St. | | c | | | | | |
| Herbert Cunningham 1011 1/2 St. | | c | | | | | |
| Mr Jewell | | c | | | | | c |
| J J Crews Parkerburg | | | c | | | | |
| L N Gulman 1520 1st St. | | c | | | | | |
| J Mc Carls 1401 12th St. | | | c | | | | |
| Miss Anna Wortham James | | | | | c | | |
| Mr Robt Governor 217 W 1st St. | | | | | c | | |
| Mr Williams 845 N 1st St. | | | | | c | | |
| Mr Dr Fox Leeburg Va | | | | | c | | |
| Mr W J Ryan Crown Mt | | | | | c | | |
| Adm. Mc Cormick | | | | | | c | |
| J H P Hyghard 9d Rapids Mich | | | | | | c | c |
| Mr Rhodes Langdon St. | | | | | | | c |

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Washington St.

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Dr. T. James

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| Mrs Lee Mrs McDane 942 | | | | | | |
| L H. Maustach Parker | | | | | | |
| Joseph W. Ozden Wash. Dc | | | | | | |
| J B Simmons Camb. Ma | | | | | | |
| Wm Hays Hammond ny | | | | | | |
| W H Rhodes 1 S. Chas St | | | | | | |
| Mrs Scott 520 3rd St. Wash Dc | | | | | | |
| G H Sacs Charleston SC | | | | | | |
| Mrs Lyon 916 Newington ave | | | | | | |
| Blum Lee Wash. | | | | | | |
| James Brewer 2109 7th St. Dc | | | | | | |
| Rev. Mr Knox Ott | | | | | | |
| F Bergner 1807 East Plm | | | | | | |
| Wm Slier 1413 Lind ave | | | | | | |
| Wm Wren Adams 4th 94 | | | | | | |
| Mrs P H Martin Pittsburg | | | | | | |
| Mrs J T Salomon ny | | | | | | |
| C M Meyers Hagerstown | | | | | | |
| Mr c Dr Freiden | | | | | | |
| Mr Lillman 2801 2nd | | | | | | |
| T W Bluthelme 568 2nd | | | | | | |
| James Webb. Hallsboro Nc | | | | | | |

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| W B Reaney 1815-16th St. 2nd | c | | | | | | |
| C a Hughes 4006 Pine St Phila | c | | | | | | |
| Miss Wicks Charleston ms | c | | | | | | |
| Miss Hamilton Hagerstown ms | . | | | | | | |
| Dr Thompson Glen Falls N.Y. | c | | | | 77 | | |
| Rev M. Patterson of | c | | | | 57 | | |
| F Franklin | | | | | | CDH | |
| Miss Orosley Greenmount Va | c | | | | | | |
| Miss Gorge of | c | | | | | | |
| Mr Caldwell Bartlesburg W Va | c | | | | | | |
| R d Gaultier Wash. D.C. | | | | | | | |
| Mr Turner 22 den St | c | | | | | | |
| F a Havers Montgumery Ala | c | | | | | | |
| Miss John c or Thunders | c | | | | | | |
| W F Jewell | | | | | | | |
| Mr Brown 14 E Chase | c | | | | | | |
| Capt Murray Annapolis | | | | | | | |
| Miss ... 2 Radford W Va | c | | | | | | |
| R d Howell Los Angeles Cal | c | | | | | | |
| Miss Townsend Townsend Tenn | c | | | | | | |

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| W H Green Wash DC. | C | | | | | | |
| Miss L. L. L. L. L. L. | C | | | | | | |
| Miss W. H. Brown 114 E. 1st | C | | | | | | |
| Miss Humphreys. Rome. N. C. | C | | | | | | |
| Miss Redman Galveston Tex | C | | | | | PT. | |
| Miss M. Lane. J. H. Lee | C | | | | | | |
| Miss Mason Hagerman. Mo | C | | | | | PT. | |
| B. A. Butler. Wash. D. C. | C | | | | | | |
| C. H. Waller Norfolk Va | | | | | | C | |
| Miss Jaynes | | | | | | C | |
| Miss Burleson Austin Tex | | | | | | C | |
| Miss Hartman 2324 1st St. Pl | | | | | | C | |
| Dr. Merrill Concord N. H. | | | | | | C | |
| Miss Jayne | | | | | | C | |
| Miss Davis | | | | | | C | |
| Michael Collier 269 W. 5th St | | | | | | C | |
| W. B. Brown Uniontown Pa | | | | | | C | |
| Miss Linnery 309 N. 1st St | | | | | | C | |
| John & Thompson Webster Pa | | | | | | C | |
| Miss Brown 1619 2 St. Wash. D. C. | | | | | | C | |
| Miss J. H. White Uniontown Pa | | | | | | C | |
| Miss 1614 1st St | | | | | | C | |
| J. S. Bailey Harrisburg Pa | | | | | | C | |
| Geo. A. Griffin 2007 Kalamazoo Ave | | | | | | C | |

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Mr. J. W. Jackson. Wash DC
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C. W. May Jr.
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| Mrs Myers | DT | c | 2 | | | |
| W M Cunningham | | c | | | | |
| Dr Ransom. Scales 809 N. Ind. | | c | DT | | | |
| Mrs L F Dietrich 104 E Blvd. | | c | | | | |
| Mrs W Hirschmann | | | c | | | |
| Langdon Clark Buffalo ny | | | | c | c | |
| Mrs James ctf | | | | c | | |
| Dr Muller. Scales 101 | DT | | | c | | |
| Mrs Engel ctf | | | | c | | |
| Mrs Clause oot | | | | c | | |
| Mrs Rice Washington Dc. | | | | | c | |
| C J Baumling 722 N Chesla St. | | | | | c | |
| Dr B G Hall Chasle Sc | | DT | | | c | |
| Mrs Muller 1924 Ealam St | | | | | c | |
| Mrs Meguen. 1333 Coman | | | | | c | |
| Mrs c Dr Marbury | | | | | c | |
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| John McGuire | c | c | | | | | |
| Justice McKenna | | e | | | | | |
| Mrs. Jane Lander | | c | | | | | |
| Mrs. Hirschberg 1807 Mad av | | c | | | | | |
| Mrs. Cole 1321 W. Laurel St | | c | | | | | |
| Mr. Turner 1036 Belvid. Ter. | | c | | | | | |
| B. Levy 2022 Bottom av | | c | | | | | |
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| Mr. W. H. Bullis Rochester ny | | | c | | OH | | |
| J. W. Cortchill 801 12th St. Ind. | | c | | | | | |
| Mr. Bullenworth | | | | c | | | |
| Mr. S. Forbes 4th & Byron | | | | c | | | |
| J. W. MacConnell Birmingham Ala | | | | | c | | |
| Mrs. Stern. w. K. Stern | | OH | | | c | | |
| Mrs. Alice W. Ball Remondt. | | | | | c | | |
| Mr. Cunningham-Riverside-St. Pa. | | | | | | c | |
| Mr. Correll Cleveland | | OH | | | | c | |
| Mr. Cudley Greenstown ne | | OH | | | | c | |
| Mr. H. Hertz 1831 W. Fayette St | | | | | | c | |
| Mr. Hays | | ne | OH | | | | c |
| Mrs. Auden | | | | | | | c |
| Mrs. R. Ambach 1510 End Pl | | | | | | | c |

Charge. Brought
Forward. Total.

MEMORANDA.

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Chas.

Richmond St.

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S. Richmond 7500 St. Ave

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Washington St.

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| | Su. | M. | Tu. | W. | Th. | F. | Sa. |
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| Care Coale 2102 St Paul | | | | | | | |
| Mrs R.H. Henderson Camb. Md | | | | | | | |
| Ry Gilder 1807 St Paul | | | | | | | |
| Mrs J. Smith | | | | | | | |
| Mrs C. H. Haver | | | | | | | |
| Mrs Lipe Burr 1022 St Paul | | | | | | | |
| Mrs W. W. Greenleaf SC | | | | | | | |
| Mrs J. A. Davenport Dunsmuir Cal | | | | | | | |
| Louise M. Mitchell Wash. DC | | | | | | | |
| Mrs E. J. West The St James | | | | | | | |
| Mrs Evans Buffalo N.Y. | | | | | | | |
| Mrs L. B. Burgher 2036 Holt Ave | | | | | | | |
| Mrs W. W. Brown Charleston SC | | | | | | | |
| + daughter | | | | | | | |
| G. W. Chas. Greenboro N.C. | | | | | | | |
| A. Pomeroy Cleveland OH | | | | | | | |
| Mrs J. Morris Norfolk Va | | | | | | | |
| Dr. S. S. Jones Ala | | | | | | | |
| Dr. Dennis Grinnell Pa | | | | | | | |
| SC E. Kiefer Rochester N.Y. | | | | | | | |
| Mrs Gray 1810 East Place | | | | | | | |
| Mrs Miller 1924 " " | | | | | | | |

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| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Mr Zort. Glen Rock Pa | | c | | | | | | |
| Rev Wm Stern Wash. D.C. | | c | | | | | | |
| Mr Duff Richmond Va | | c | | | | | | |
| Elliot S. A. d. Richmond | | c | | | | | | |
| Ed. Martin Hammond Ill. | | | c | | | | | |
| Mr D Sachs. Cal. | | | c | | | | | 60 |
| .. Miss Hall Cal. | | | c | | | | | |
| Mr Muller 1924 Ind PL | | | c | | | | | |
| Mr Fleming Fairmont W. Va. | | | c | | | | | |
| Miss Fleming. " | | | | c | | | | |
| Miss J Weil 15 W. Lexington | | | c | | | | | 80 |
| Dr Ordernatter 931 S St. Wash. D.C. | | | c | | | | | |
| Mr Monroe Pembroke Mass. | | | c | | | | | |
| Mr Lorenhart Lexington Ky | | | | | c | | | |
| Mr Spear 2237 Lind Ave | | | | | c | | | |
| Miss Upshum | | | | | | c | | |
| Mr Cromwell | | | | | | c | | |
| Mr Metcalf Graham N.C. | | | | | | c | | |
| Mr Kenney Robt Mass | | | | | | c | | |

Charge.

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| | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Mr Bloomfield | c | | | | | | |
| Mr | c | | | | | | |
| Mr Cutler - Sam F... | c | | | | | | |
| L P Harper Suffolk Va | | | | c | | | |
| Rev E L Blumline 202 W 86th | | | | c | | | |
| L Rithchild Greenville Nc | | | | c | | | |
| L O Virtue - Mendocino Ca | | | | c | | | |
| Mr Adelbert 1224 E 14th St | | | | c | | | |
| Mr J. M. ... | c | | | | | | |
| Mr ... Dall St. | | | | | | | |
| Mrs Van Ness - Ark | | | | | | | c |
| Miss Ball - Winston Tex | | | | | | | c |
| Mr. Butler - Mendocino | | | | | | | c |
| Miss McLeod - Toronto | | | | | | | c |
| Joe D. Mason 1118 E. ... | | | | | | | c |
| Judge Day - Washington | | | | | | | c |
| Mr. Harr. - 3rd St. ... | | | | | | | c |
| Mr. ... Columbus | | | | | | | c |
| Mrs. ... Lyonsport. Ind | | | | | | | c |
| Mr. Bach - Columbus Ohio | | | | | | | c |
| Mrs. Lynn 916 Henry Ave | | | | | | | c |
| Mr. Emery - Pa | | | | | | | c |
| Mr. Spain - Washington Dc | | | | | | | c |
| May. West. - W. S. A. - Ind | | | | | | | c |
| Mr. Gordon - Toronto | | | | | | | c |
| Mr. Miller - Ind. - Mass. - O | | | | | | | c |

Record.

March, 1903

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Charge. Brought Forward.

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| L. A Jones | No 20 P O Bd | c |
| P. F Hall | Alexandria | c |
| J F Skelpin | 926 B. St Sw | c |
| Judge Day | Wash. D.C. | c |
| Mrs Baldwin | " " | c D.H. |
| Mrs Or Rears. | " " | c D.H. |
| Mrs Parmelee | Cleveland | c |
| Mrs Horsey | 28 N Chas | c |
| Mrs Hollander | " | c D.H. |
| Miss Bruce | (Mrs E B) | c |
| P F Henderson | Baltimore | c |
| Mrs Hyde | Mexico, D.H. | c D.H. |
| Mrs Clark | 907 N Chas | c c |
| Mrs Harg | 406 Asquith | c |
| J Gethart | 914 E Balt St | c |
| Mrs Kemst Smith | The S Paul | c |
| Miss Gutman | " | c |
| E Dunkel | Frog City - N J | c |
| Mrs Lacy | Dubugue Iowa | c |
| O Swift | W.C. | c |
| Dr L. it East | Rochester N.Y. | D.H. c |
| Dr Goodrich | Utah | D.H. c |
| Judge Day | " " | c |
| Mrs Lee | " " | c |
| Mrs H & Sanford | Pr Anne Md | c |
| Mrs C.O Pruden | Chattanooga | D.H. c |
| Dr Geo L Carter | Cumbersland Ms | D.H. c |
| Mrs Jane W. Tamm | " " | c |
| Thomas Hill Smith | " | c |
| Mrs Holland | Nashville Va | c |
| L M Preempt | Washington D.C. | c |

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March, 1903.

Daily

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. | Forward |
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| | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |
| Mrs Helmholtz. | | c | | | | | | |
| br Crowell. Seaside nc | | c | | | | | | |
| Mrs addel dorf. | | c | | | | | | |
| Mrs ^{Elizabeth} Green Toronto | | | c | | | | | |
| Thistlethwaite Smith | | | c | c | c | c | c | |
| Th Pendergast St Paul Min | | | c | | | | | |
| Mrs Dudley Neutheisen cam | | | c | | | | MA | |
| Mrs Turner 1036 N Calv. | | | c | | | | | |
| C. D Thorne Wash. D.C. | | | | | | c | | |
| Mrs. roughner Norfolk v. | | | | | c | | | |
| Mrs Elston Port Wash Dc | | | | | c | | | |
| Mrs Sanger Westchester Ma | | | | | c | | | |
| Mrs Newcomb Newcom Ga | | | | | c | | | |
| Mrs Fitzgerald Prance | | | | | | c | | |
| Mrs Mackin Minneapolis mn | | | | | | c | | |
| Mrs Stanton " | | | | | | c | | |
| Mrs J & Sime Ballecrest | | | | | | c | | |
| John Bennett Fairmount, Ind | | | | | | c | | |
| Kenon Birmingham nc | | | | | | c | c | |
| S, Gray Hall 1319 Park Ave | | | | | | c | | |
| John Whitridge. 16 W Reed | | | | | | c | | |
| R & Reynolds Dallas Mont | | | | | | | c | |
| Wm Geo Dubley Wash Dc | | | | | | | c | |

Charge.

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| | 29 | 30 | 31 | 1 | 2 | 3 | 4 |
| Dr. Bordley 25 | c | | | | | | |
| a J Moore 3008 W 9 Ave | c | | | | | | |
| Mt 14 Clayton Road 6 Va | c | | | | | | |
| SS Paschal Wash. Dc | c | | | | | | |
| Mrs Paga. Lumbale | c | | | | | Off | |
| Mrs Chas Holzler | c | | | | | | |
| Mr C C Fleming | | | | c | | | |
| Mrs | | | | c | | Off | |
| Mrs. Brown 718 N 4th | | | | c | | | |
| Mr De Han Camden 7c | | | | c | | | |
| Dr. Neugarten USA | | | | c | | | |
| Mrs Lora Goldblatt | | | | c | | | |
| Mr J R Cray | | | | | | c | |
| Mrs Hall up. Marlboro | | | | | | c | |
| Father Scarpin Ell. Ct | | | | | | c | |
| Mrs Boer 2034 McCullch St | | | | | | c | |
| Colin Reed Pillsbury Pa | | | | | | c | |
| Levator Camden. Parkersburg W Va | | | | | | c | |
| Chas G Matthews Lewisburg W Va | | | | | | c | |
| Mrs Kellogg 211 Sumner St | | | | | | c | |
| Mrs Kellogg " " | | | | | | c | |
| Rev A Cheneau St Mar sem | | | | | | c | |
| A Wagner Akron Ohio | | | | | | c | |
| Mr Nichols. Newton Mass | | | | | | c | |

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| Bo Driver Roanoke Ala | c | c | | | | |
| Dr Randolph. Nye Va | c | | | | | |
| 4 a Pitzer Mt Savage Md | c | | | | | |
| For a distance 23 w Frank | c | | | | | |
| Dr. Malone Kentucky | c | | | | | |
| C. Hultgen | c | | | | | |
| Miss Effinger Summit | c | | | | | |
| 2 c Wadswell 601 2 St. N | c | | | | | |
| Mr G P West 1409 Mad Co | c | | | | | |
| Columbus O'Connell 1312 N. Va | c | cc | cc | cc | cc | c |
| Miss Gault Mount | c | | | | | |
| Mr Killeffer Mount | c | | | | | |
| Tavara. Ga | c | c | | | | |
| Fisher. W. | c | | | | | |
| Miss White Wash. D. | c | | | | | |
| A C Shely 1900 McCulloch | c | | | | | |
| Edna Shoen Birmingham Ala | c | | | | | |
| L. Cox. Army Mad Miss. Wash. | c | | | | | by |
| Channing Smith Buffalo N Y | c | | | | | |
| Miss Dean 2835 W No. Va | c | | | | | |
| Dr. Foscals Brother. College | c | | | | | |
| Miss Hynes Shanghai Ch | DTT | | | | | |
| Miss Fisher Phila | c | | | | | |
| Dr Ross W S a Wash. | c | | | | | |
| Miss Symmes. Date Mount | c | | | | | |
| Miss Mount Gault Mount | c | | | | | |
| W D Dunsley Pelen Creek Va | DTT | | | | | |
| Smith. W P | c | | | | | |

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Columbo O'Donnell

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Mr Williams Cleveland

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Mr Dunsford Ny

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Mr Reddie Munsford

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Mr Franklin

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10 to 12

April, 1903.

Daily

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
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| 19 | 20 | 21 | 22 | 23 | 24 | 25 |

Mrs Hatchell 1033 Edgmont

c

Mrs Davis, Berlin

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Mr Peeler's child

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D.H.

Mrs Muller End M

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Mrs Fuller } 38 W 6927

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T S Fuller }

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Mrs Capt. Rogers

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Mrs Adelsdorf 3

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Capt. Blount Ind. USA

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D.H.

Mrs Umbach.

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Mr D. Drummell

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Mrs Hodges, Portsmouth

c

Sam Marcus Capt.

c

Frank Lee Hampton

c

Mrs Cunningham } Little.

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Mrs Holland } 18m

c

Dr C. C. Cox High Point Nc

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Dr Fred Nashville

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c

Jacob Rubenstein

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Mrs Welch Ashuelot Nc

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L Cohen Farmington Nc

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T W Horkens 2224 Nc

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R H Dulaney Apperlyville Va

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Record.

April, 1903.

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| | 26 | 27 | 28 | 29 | 30 | 1 | 2 |
| W. H. Williams B & Co. Sec | c | | | | | | |
| Mr. James | c | | | | | | |
| H. Risenheim Savannah | c | | | | | | |
| Rush Robinson Huntsville | c | | | | | | 5H |
| C. O'Connell. of | c | | | | | | |
| And Price | c | | | | | | |
| J. L. Bladen | c | | | | | | |
| Mr. Cummings, 'The News | c | | | | | | |
| Wm. Lebow 213 W. Barre | c | | | | | | |
| O. E. Webb (Cann. & Co.) | c | | | | | | |
| Mr. Risenheim 1811 Dundee | c | | | | | | |
| Mr. W. Kepp. Millersburg Pa. | c | | | | | | |
| Wm. J. McKee. " " | 5H | c | | | | | |
| H. Canthara Toronto | c | | | | | | |
| Grove Klein Huntsville Pa. | c | | | | | | |
| Wm. J. Perry (Charleston) & Co. | c | c | | | | | |
| Howard Washington | c | | | | | | |
| J. Burns New River W. Va. | c | | | | | | |
| A. H. Colman The Levens | c | | | | | | |
| Mr. J. W. Burt 2524 Madison | c | | | | | | |
| Mr. J. C. Cox 850 Postland | c | | | | | | |
| Fred May Washington D. C. | c | | | | | | |
| J. P. Faxon Brooklyn N. Y. | c | | | | | | |
| T. F. S. Wazzy 1317 11th St Wash D. C. | c | | | | | | |
| G. Moore Elkins W. Va. | c | | | | | | |
| Mr. Williams Cleveland | c | | | | | | |

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MEMORANDA.

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| | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Walter Traverser Cincin Oh. c | | | | | | | |
| K W Watson Columbus Oh c | | | | | | | |
| C. O. Durnell ef - c | | | | | | c | c |
| Mrs Fort Elliott City Me dt | | | | | | | |
| Mrs Gottschalk ef - c | | | | | | | |
| Mrs Guild 230 W 44 St N.Y. c | | | | | | | |
| Judge Minor Richmond Va c | | | | | | | |
| Mr Manetti 2 Copied St Wash. c | | | | | | | |
| O Reeder 910 W 44th St c | | | | | | | |
| Mr Reed. 114 R's Mkt c | | | | | | | |
| Mrs J E Watkins Ind Any c | | | | | | | |
| Miss Willard. Boston. c | | | | | | | |
| C P Lacy Jasper Ala c | | | | | | | |
| Mrs Hellebach Seattle Wash c | | | | | | | |
| J Waterman Linden D c | | | | | | | |
| Miss Greenbaum c | | | | | | | |
| Mr c on R. Thom c | | | | | | | |
| Mrs Duncan St. Louis Mo c | | | | | | | |
| Mr Blair Lee Wash Dc c | | | | | | | |
| Miss. v. Pinta P. c | | | | | | | |
| Miss Jordan Woodstock Va Dth - c | | | | | | | |
| Mr (Dorrance) ef - Dth - c | | | | | | | |
| Mr Cockley. Centerville Dth - c | | | | | | | |
| Mr Taylor ef - Dth - c | | | | | | | |
| Mrs Ales 2572 McCall c | | | | | | | |
| Mr O'Brien 201 Millburg St Dth - c | | | | | | | |
| Ed Stevens. York Ave. Va Dth - c | | | | | | | |
| Mrs Markle. Salisbury Va c | | | | | | | |
| Mr Evans. W Fayette St Dth - c | | | | | | | |

Record.

May, 1903

Charge. Brought Forward. Total.

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| Dr. Stokes. c/- | c | | | | | | |
| Funny. | c | | | | | | |
| Mrs. Hemphill. Wash. D.C. | | c | | | | DT | |
| Mrs. Hill. Wash. D.C. | | c | | | | | |
| Mrs. Levy Norfolk. Va. | | c | | | | | |
| Dr. Williams. Pennsylvania Pa. | | | | | | | |
| Mrs. Joseph Shethner. | | | | | | | c |
| Dr. Cappelgate. Chalmers Tenn. | | | | | DT | | c |
| Dr. Harlings. Tenn. Co. | | | | | DT. | | c |
| Mrs. McVier. Washington D.C. | | | | | | | c |
| Mrs. Taylor. Norfolk Va. | | | | | | | c |
| Rabbe. New York. | | | | | | | c |
| Miss Mela Fowler | | | | | | | c |
| C. O'Donnell | | c | c | | | | |
| Mrs. F. D. Watkins | | | | | | c | |

Record.

May, 1903.

Charge.

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Forward

Total.

MEMORANDA

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|--|--|--|--|--|--|--|
| Mrs T. Cary Richmond Va | | | | | | |
| Mrs C. H. Tyler | | | | | | |
| C. D. Dinnell | | | | | | |
| Mrs Weekly York Pa | | | | | | |
| Mrs Smith Wash. D. C. | | | | | | |
| Arch. B. Kinn St Louis | | | | | | |
| W. d. Hamburger | | | | | | |
| Mrs Besore Weynesboro Pa | | | | | | |
| T. in Weston W. Va. | | | | | | |
| Mrs L. Weinberg 133 N. Elm | | | | | | |
| Mr Shefel | | | | | | |
| Mr F. C. Gardner | | | | | | |
| Rev Mr. Durckamp of | | | | | | |
| Em Golden | | | | | | |
| C. G. W. Allen 1446 2 nd St. W. D. C. | | | | | | |
| W. Mc Carz. Cumberland | | | | | | |
| Ed Henry Henry W. Va. | | | | | | |
| Mrs. Baker W. Va. | | | | | | |
| Mrs. Stephenson 221 11th St | | | | | | |
| Mrs. Stalford 2025 E. Ball St | | | | | | |
| Mr. F. Maurz Wytheville Va | | | | | | |
| Mr. Hudson Alexandria | | | | | | |

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May, 1903.

Daily

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. |
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| | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| Miss Hunter McJannet | at | | | | | | |
| or nels | at | | | | | | |
| Mrs Dewar Nelson | 9a | | | | | | |
| Mrs Grey Int Place | | | | | | | |
| Mrs Altman 2132 Callan | | | | | | | |
| C O'Connell | | | | | | | |
| Mrs Mann C or Rembert | | | | | | | |
| Mrs Flannery } servant | | | | | | | |
| Mrs Semmes } 9c | | | | | | | |
| Miss Longfellow | | | | | | | |
| Mrs J. D. Dorey (Miss Dorey, inc) | | | | | | | |
| Mrs. O'Connell | | | | | | | |
| Mrs Holt. Huntzinger | | | | | | | |
| Mrs Parmelee | | | | | | | |
| Mrs Lindsey | at. | | | | | | |
| Mrs Levy Tallabriga | | | | | | | |
| Mr Stewart | | | | | | | |

Charge. Brought Forward. Total.

MEMORANDA

10 By C. T. Allen & J. L. Hart
 c. or Frederick 1000
 c. or H. H. H. H.

100

Cambridge Mass
 c. or Frederick
 Rochester Ny

25-

75-

25

25-

10

May June, 1903.

Daily

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Charge. Brought Forward.

Total.

MEMORANDA.

June, 1903.

Daily

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |

Record.

June, 1903.

81

Charge.

Brought
Forward.

Total.

MEMORANDA.

June, 1903.

Daily

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |

| Charge. | Brought
Forward. | Total. |
|---------|---------------------|--------|
|---------|---------------------|--------|

MEMORANDA.

June, 1903.

Daily

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |

Record.

June, 1903.

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 28 | 29 | 30 | 1 | 2 | 3 | 4 |

Date

Record.

June—July, 1903.

87

Charge. Brought Forward. Total.

MEMORANDA.

July, 1903.

Daily

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |

Record.

July, 1903.

89

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |

SUNDAY
MONDAY

Record.

July, 1903.

91

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 26 | 27 | 28 | 29 | 30 | 31 | 1 |

Record.

July—August, 1903.

95

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Charge. Brought
 Forward. Total.

MEMORANDA.

NAME.

| Su. | M. | Tu | W. | Th | F. | Sa. |
|-----|----|----|----|----|----|-----|
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

Record.

August, 1903

100

Charge.

Brought
Forward.

Total.

MEMORANDA

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |

Record.

August, 1903.

100

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME

| Su. | M. | Tu. | W. | Th. | F. | Su. |
|-----|----|-----|----|-----|----|-----|
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |

Record.

August, 1903.

103

Charge. | Brought
Forward.

Total. |

MEMORANDA

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 30 | 31 | 1 | 2 | 3 | 4 | 5 |

Record.

August-September, 1903.

105

Charge.

Brought
Forward.

Total.

MEMORANDA

September, 1903.

Daily

NAME.

| Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-----|----|-----|----|-----|----|-----|
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |

Record.

September, 1903.

167

Charge.

Brought
Forward.

Total.

MEMORANDA.

NAME

| SU. | M. | TU. | W. | TH. | F. | SA. |
|-----|----|-----|----|-----|----|-----|
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |

Record.

September, 1903.

109

| Charge. | Brought
Forward. | Total. |
|---------|---------------------|--------|
|---------|---------------------|--------|

MEMORANDA.

| Sa. | M. | Tu. | W. | Th. | F. | Sa. | Total |
|-----|----|-----|----|-----|----|-----|-------|
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | |

Consult ^{AND} ~~at~~ home while
away.

Mrs. Blank Guernsey.

Mrs. " " "

Mrs. Davis Linden

Gal. Thayer Linden

. Pan

Mrs. As L down. Linnepes ma

c c

Mrs. Wulbern Charles. Dc

c

M. Russell Spokane Wash

c

Mrs. Blair Lee

c

Mrs. P. M. Hard. New. Or. L

c

Mrs. R. Taylor Norfolk va

c

Mrs. Holloway

c

1402

F. S. Smith 1217 F St. Wash. Dc.

c

W. S. O'Brien Pocomoke Md

c

At Cannon Concord N. H.

c

C. D. P. and 1713 W. 11th Ave

c

Brought
Forward.

Total.

MEMORANDA.

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25

Part to under \$1000 to charge.

01 ho

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11

14 02 Paid adv. C. M. McCormick

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| NAME. | Su. | Mo. | Tu. | We. | Th. | F. | Sa. | Total. |
|-------------------------------|-----|-----|-----|-----|-----|----|-----|--------|
| | 27 | 28 | 29 | 30 | 1 | 2 | 3 | |
| T. L. C. Park ave | c | c | | | | | | |
| 2 Rohr 2224 Lincoln ave | c | | | | | | | |
| Cur 1844 ave | | | c | | | | | |
| D. Cherry Tarboro nc | | c | | | | | | |
| C F Norman. Wash Dc | | c | | | | | | |
| R S Martin 1611 Bolton St | | c | | | | | | |
| Kugel. | | c | | | | | | |
| Leopold Strouse | | c | | | | | | 5 + 1 |
| Wm S Rothschild 900 1/2 Int. | | c | | | | | | c 0 |
| G S Gillelan Emmittsburg | | c | | | | | | |
| Miss Kunkelmeier 2221 DuPont. | | c | | | | | | |
| Miss Benne | | c | | | | | | |
| W W McHenry Portersville Pa | | | c | | | | | |
| W. Adelstein | | c | | | | | | 20 7 |
| C H Caldwell O Bannock | | | c | | | | | |
| Mr Brown an Hamilton St | | | | c | | | | 500 |
| Mr. | | | | | c | | | |
| Miss Be | | | | | c | | | |
| Mr Hugh Graham Menden | | | | | c | c | | 10 0 |
| Miss Turke Menden. | | | | | c | | | 25 |
| Miss Dunlop. " " C.H. | | | | | c | | | |

100.

Brought
Forward.

Total. ||

MEMORANDA

10-

10

54 R. Sadle Garrison ave. 10
c. D. Mackay, Can with tre-25-

10

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c. D. 7

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500 p. l.

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100 to change

25 " " "

| NAME. | Su. | M. | Tu. | W. | Th. | F. | S. | S. (S. 1st) | Tot. |
|-----------------------------------|-----|----|-----|----|-----|----|----|-------------|------|
| | 4 | 5 | 6 | 7 | 8 | 9 | 1 | | |
| Mrs Haysche 528 N Carr Ave | c | | | | | | | | |
| Mrs Katz 609 c, or 11. | c | c | | | | | | | |
| B Schmidt Haining 2 | | | c | | | | | | |
| F von Wundeffen. Giesfeld. Wad 01 | | | c | | | | | | |
| H d Harman 2021 1st N | | | c | | | | | | |
| Gylden Cook The Zeeven | | | c | | | | | | |
| Mrs Cassidy 1025 N Blding | | | c | | | | | | |
| Mrs Blum Chicago 211 | | | | c | | | | | |
| John Furlong 17 E 126 1/2 St | | | c | | | | | | |
| R R Henderson Cumberland | | | c | | | | | | |
| Mrs C M Ray Minneapolis | | | c | | | | | | |
| On Goldsmith 133 1/2 Gale St. | | | c | | | | | | |
| Mrs Doran 3-21 N 9th St | | | c | | | | | | |
| Ollo Mase Savannah. 90 | | | | c | | | | | |
| P O Fales York Pa | | | | c | | | | | |
| Mrs Evelyn Hart. | | | | c | | | | | |
| Father Kroger Phila Pa 177 | | | | c | | | | | |
| EE Durham Alexandria Va | | | | c | | | | | |
| 17 Fabrell. Conway N C. 177 | | | | c | | | | | |
| Capt Sandford | | | | c | | | | | |
| 2 D O'Hign Medec. O | | | | | c | | | | |
| May Covington Minden Neb | | | | | c | | | | |
| H Rosenheim Savannah. 90 | | | | | c | | | | |
| Mrs Carter Bishop Petersburg | | | | | c | | | | |
| Mrs Duke 23 W 21st St | | | | | c | | | | |
| Mr Holloway 11402 Mad Ave | | | | | c | | | | |
| Mr J C Hausch 1555 W 1st St | | | | | | c | | | |
| Father Donahue Hagen | | | | | | c | | | |
| W F Cochran 6 W 1st St | | | | | | c | | | |
| Mrs Wundeffen Atlanta Ga | | | | | | c | | | |

Change. Brought Forward. Total.

MEMORANDA.

C. King. rec'd 70 on 19th Aug. Ty
10th. fewer & small

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25

10th

15

New York on morning
20th change

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15

10th

10th. on 19th Aug.

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Merchants' Assn.

30

25 33.50 9 aj.

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25th

" "

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10th

25th

25

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-
\$10
Unl. default. Incl. Plea.

October, 1903.

Daily

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. |
|----------------------------------|-----|----|-----|----|-----|----|-----|
| | 11 | 12 | 13 | 14 | 15 | 16 | 1 |
| #7 Billing. Chicago | c | | | | | | |
| C A Stone 1821 N St Wash | c | | | | | | |
| Mrs Parmelee Cleveland O. | c | | | | | | |
| Mrs Blum 1601 Madison Ave | c | | | | | | |
| Mrs Morsman Omaha Neb | c | | | | | | |
| E B White Leesburg Va | | o | | | | | |
| J Lehman 1819 Eul. Pla | c | | | | | | |
| H. L. Leroy 2040 Eul. Pl | c | | | | | | |
| J. T. Burdett 1819 524 N | c | | | | | | |
| Wm W Burk Platte R. | | c | | | | | |
| Mrs Sumnerville } Wm Sumnerville | | c | | | | | |
| St Sumnerville } | | c | | | | | |
| O W Ward Bessemer Ala | | c | | | | | |
| M Snell North Dakota | | c | | | | | |
| W W Munnice | | c | | | | | |
| Mrs Peyton Spokane | | | c | | | | |
| H Randolph. Cal. | | | c | | | | |
| G W Klein 1724 Light St | | | c | | | | |
| L Laidman Charleston W. | | | c | | | | |
| L Harnan Harnsburg Pa | | | c | | | | |
| M S Stone. Cal. | | | c | | | | |
| Homer. Sherwood Ind | | | c | | | | |
| Mrs Woolsey Allen Sc. (D.H.) | | | c | | | | |
| Col Peyton Spokane Wash. | | | c | | | | |
| S. Samps on Centerville Ind | | | c | | | | |
| E Lovell B & O Cal. | | | c | | | | |
| Mrs Simon Borg 835 5th Ave | | | c | | | | |
| W. R. Brown Indianapolis Ind | | | c | | | | |
| R B Adams Buffalo | | | | c | | | |
| M Hirschman | | | | c | | | |

Was

9500

100

25

24

Charge. Brought Forward. Total.

MEMORANDA.

Walter G. Brown

10

25

25

45

10 to charge

10

From 1

\$500 to ch. 2300 N 13d St

25

25

25

10

10

\$10 to ch

10

25

10

25

10 to charge

25 to charge

10

25

W. G. 100 to charge

\$100 to chg.

~~1000~~ to charge Ad

25

Ad.

Walter G. Brown Bay Station Lines. 25

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. | Total |
|-----------------------------------|-----|----|-----|----|-----|----|-----|-------|
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 | |
| Alf C Burch Gd Rapids Ind | c | | | | | | | |
| Mrs Doris Greenwald Ind | c | | | | | | | |
| J Mayfus Alexand. Va | c | | | | | | | |
| Mrs Wesley Greenwald Va | c | | | | | | | |
| Miss Venable San Fr. Cal | c | | | | | | | |
| C O'Neil Swickler Pa | | | c | | | | | 25 |
| C C Lewis Jr Charleston W. Va | | | c | | | | | |
| Mrs Douglas Westmire Ind. Ill | | | c | | | | | |
| Dr. Shepherd Hartford Conn | | | c | | | | | |
| Mrs J Bantley Key Stone W. Va | | | c | | | | | |
| Miss Huntgumery | | | c | | | | | |
| J Kerner 1803 W. La Verne | | | c | | | | | |
| Chapman | | | | | c | | | |
| Mrs S Marcus 1821 Eul Pl. | | | | c | | | | 10 |
| Dr B Sturgeis 127 E 23rd St Ky | | | | c | | | | |
| S Salaber 1708 Eul Pl. | | | | c | | | | |
| Chas Hutzler Mrs H. | | | | c | | | | |
| A S Phillips Richmond Va | | | | | c | | | |
| Dr Carlen Ill | | | | | c | | | |
| Miss E K Morgan Lexington Ky | | | | | c | | | |
| Miss Simon 2030 McCull St | | | | | c | | | |
| Elly Bahlman Can. O | | | | | | c | | |
| W E Davis Parkersburg W. Va | | | | | | c | | |
| Mrs B. Mecon 1012 21st St Wash DC | | | | | | c | | |
| J M Caldwell Birmingham Ala | | | | | | c | | |
| John D. Fred | | | | | | c | | |
| Stewart. Mattam. Cumbury Ind. | | | | | | c | | |

| Charge. | Brought Forward. | Total. |
|---------|------------------|--------|
|---------|------------------|--------|

MEMORANDA.

25

20

10

25 to charge

25 to charge

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25

Spencer & Co. for & Fr. \$10.66
C. B. B. B. B. B.

10

25

10 to charge

25

10

25

mutual well. put by ^{advis} with by friend
10 to ch | 10 a def. mutual unit

Concurrence. Omo

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10

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Tub. H. apex. healing

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. | Bought
Forward |
|---------------------------------|-----|----|-----|----|-----|----|-----|-------------------|
| | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| Mrs Ashdown Birmingham | c | | | | | | | 100 |
| Mrs F Baubelman | | c | | | | | | |
| Mrs G Goldman Bern. Ala | | c | | | | | | 220 |
| Mrs McCasg Cucurbitaria | | c | | | | | | |
| Abrahamfeld Pittsburg | | c | | | | | | |
| Mrs Nichols Hartford Conn | | c | | | | | | |
| Mrs Pike 1403 Lind Ave | | c | | | | | | |
| Gen St Clair Fayetteville W. Va | | | c | | | | | |
| Mrs Pratt. Pullville Ala | | | c | | | | | |
| Mrs Bogert. Wilkesboro Pa | | | c | | | | | |
| Mrs Wescott. Wt - Ott | | | c | | | | | |
| Mrs Bierken 616 Custer St | | | c | | | | | |
| Mrs Guther. 2700 E Broadway | | | c | | | | | |
| Mrs Wille. Atlanta. Ga Ott | | | | c | | | | |
| Mrs Kaufman Pa | | | | c | | | | |
| Mrs Graves Alb - 197 | | | | c | | | | 175 |
| Mrs Tucker 1036 Belvid | | | | c | | | | |
| Mrs King c. or Douglas | | | | c | | | | |
| J B Sener Box 95 Wash. Dc | | | | | c | | | |
| Mrs Johnson. Liver pool. Ott | | | | | c | | | |
| Dr Girdley Lincaster Ind Ott | | | | | | c | | |
| Mrs Rathbone Liverpool. | | | | | | c | | |
| Mrs Funk Alb - | | | | | | c | | |
| Mrs Lott Waynesboro Va | | | | | | c | | |

| Charge. | Brought Forward. | Total. |
|---------|------------------|--------|
|---------|------------------|--------|

MEMORANDA

at 10 1/2, 810 + 1/2

Frank Bahlman by

2208 1/4 Ave 10, Highland, N.Y. etc

25-006

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1720

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10

20

November, 1903.

Daily

| NAME. | Su. | M. | Tu. | W. | Th. | F. | Sa. |
|------------------------------|-----|----|-----|----|-----|----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Gen Bernard 1711 18th St. W. | c | | | | | | |
| Blanch de Wash DC | c | | | | | | |
| Dr Ferebee US N. Wash. | | c | | | | | |
| Dr. Getty - Myrtle Ave | | c | | | | | |
| Miss M. Tabor. Krumpholtz | | c | | | | | |
| Julian Carr. Durham Co | c | | | | | | |
| Jo Mason 43 Leves Pl | | | | | | | |
| Wm H Brizzi 124 N. 1st St | | | | | | | c |
| Ed Marsh Sandusky Oh | | | | | | | c |
| Rev A Crawford, Thos Va | | | | | | | c |
| Miss Fune man 218 N. 1st St | | | | | | | c |
| Miss Berice Clark | | | | | | | c |
| Mr Litcher 2118 Bolton | | | | | | | c |

| Charge. | Brought Forward. | Total. |
|---------|------------------|--------|
|---------|------------------|--------|

MEMORANDA.

78

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62

| NAME | Su. | M. | Tu. | W. | Th. | F. | Sa. | Brought Forward |
|--------------------------|-----|----|-----|----|-----|----|-----|-----------------|
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | |
| Mr A H Kramm, Eastern R. | c | | | | | | | |
| Henry J. H. Wash DC | c | | | | | | t | |
| Charles Henry Phila | | | c | | | | c | |
| Grayson Hall, Picta, Pa | | | | c | | | | |
| Mr Blair Lee, Washing DC | | | | | c | | | |
| Gen Ryan, 470 New York | | | | | c | | | |
| Wm Marshall Phila | | | | | | | | |
| Dr. Bourne, Richmond Va | | | | | | | | |

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| Charge. | Brought
Forward. | Total. |
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MEMORANDA.

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570 C. A. 1117

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Charge. Brought Forward. Total.

MEMORANDA.

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Bristol 224

| NAME. | Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-------------------------------|-----|----|-----|----|-----|----|-----|
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Fred Conder. 1843 S. St. | c | | | | | | |
| Mrs. McC Lauchlin " " " | c | | | | | | |
| Senator Alger " " | c | | | | | | |
| Blair Lee " " | | c | | | | | |
| Mrs. Carroll. af- DT | | c | | | | | |
| Mrs. Wagner. Alton. Oh | | c | | | | | |
| Mrs. Miner & Mabley Ind | | c | | | | | |
| P. G. Grib. St Paul | | | c | c | | | |
| A. Hatties 2432 E. Pl. | | c | | | | | |
| L. Lowenstein 711 Lehigh St | | c | | | | | |
| G. W. Williams Charleston S. | | | c | | | | |
| J. P. Wagner Norristown Pa | | | c | | | | |
| Mrs. Gilliam. Emmelburg | | | c | | | | |
| Mrs. Ashdown. Wmings | | | c | | c | | |
| J. Fisher Richmond Va | | | c | | | | |
| Mrs. Maltzman. W. P. | | | c | | | | |
| Mrs. Blair Lee | | | | c | | | |
| J. Stensfeld Toledo Oh | | | | c | | | |
| Mrs. Mason Ches. Ind | | | | c | | | |
| Mrs. Kimball Nashville Ten | | | | c | | | |
| Louis Bernstein 409 N. Asguth | | | | | c | | |
| Mrs. Andrews. | | | | | c | | |
| Mrs. Caselberg af- | | | | | c | | |
| W. Russell - Spokane Wash | | | | | c | | |
| Mrs. Bailey 1018 N. Columbia | | | | | c | | |
| W. Shaw. Shensburg Va | DT | | | | | c | |
| Dr. G. J. Edwards Va | | | | | | c | |
| W. B. Strong. Lynchburg | | | | | | c | |
| S. S. Cook. S. W. af | | | | | | c | |
| Mrs. McClure Everett Pa | | | | | | c | |

Charge. Brought Forward. Total.

MEMORANDA

1122 h. 100 + 11
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C on Bevan. Brakela + Reunb.
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T. W. E. 25-

27

10 + 11

10. ch
 10. ch

J C Grawford H. Chas. H. 11
 1125 h. 1125 h. 1125 h.

Arch Miller Lucie

H. S. Columbus 1125 h.

Re Strange 1125 h.

Re Fill 1125 h. 1125 h.

7 11-13 1125 h. 1125 h.

10

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25-

Charge.

Brought
Forward.

Total.

MEMORANDA

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25

925 6 charge

25

1526 2 17th Phila

1 5 1/2 Hamburgi. Pulverant
 Washington 25 1/2

~~25 1/2~~

1/4 Rapids Mich.

60

1255 PSI. Wash DC.

25

25

| NAME. | Su. | M. | Tu. | W. | Th. | F. | Sa. |
|-------------------------------|-----|----|-----|----|-----|----|-----|
| | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Capt. Patst. Milwaukee | | | | | | | |
| W. B. Smith | | | | | | | |
| L. S. Deuncker Collegiate of | | | | | | | |
| or Louiz. 9d Rapids | | | | | | | |
| Mr Brelsford Wash. D.C. | | | | | | | |
| Miss Ann Smith | | | | | | | |
| Henry Bosthead | | | | | | | |
| Dr Moran Morgantown Wc | | | | | | | |
| G. F. Hubbs St Paul Min | | | | | | | |
| For. Russell. Burlington Wc | | | | | | | |
| S. Maas 1709 mad am | | | | | | | |
| Miss Maria Warren. Camb. Ott. | | | | | | | |
| J. R. Brewer 75. in North | | | | | | | |

| Charge. | Brought Forward. | Total. |
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MEMORANDA.

875.5 ch. Dr. Gump

25-

25-

u. P. I. with Dr. Fanning & Johnson

25-

7.0. - ch.

mas

| NAME | Su | M. | Tu. | W. | Th. | F. | Sa. |
|---------------------------------|----|----|-----|----|-----|----|-----|
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Harry Goldmann | c | | | | | | |
| E Finney | c | | | | | | |
| R U Portner | | | | c | | | |
| Mrs Harman 2021 Eub Rl | c | | | | | | |
| F U Lake 7/orene Ic | c | | | | | | |
| Mrs J Rosenblatt | c | | | | | | |
| Mrs Stone c o Huntington | | | | c | | | |
| Mrs Ulinan ny | | | | c | | | |
| C F Brooks Westfield Va | | | | c | | | |
| J W St Clair, Fayetteville W Va | | | | c | | | |
| C F Meislake 908 E dnan | | | | c | | | |
| Mrs Kerdell 914 St Paul | | | | c | | | |
| J P Sparks Louisville Ky | | | | | c | | |
| Mrs Stone Rochester ny | | | | | c | | |
| F W Kean Richmond Va | | | | | c | c | |
| Mrs Muller Quebec | | | | | c | | |
| Mrs Granger | | | | | | c | |
| Mrs J Strauss Jr | | | | | | c | |
| O Cleborne, Atlanta Ga. | | | | | | c | |
| Mrs Parnelle, Wash. Dc | | | | | | c | |
| Mrs Nash, Federal Me | | | | | | | |
| Walter Hopkins Wt | | | | | | | |
| J R Bremer | | | | | | c | |
| F Cunderb Wash Dc | | | | | | | |

| Charge. | Brought Forward. | Total. |
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MEMORANDA.

25- Wash. St 1101 Vermont and

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10 119 Warren St

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\$100 to charge.

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| J. R. Brewer | c | | | | c | | | |
| Harry Ashdown | c | | | | c | | | |
| Mrs. Ford | c | | | | | | | |
| Ben Blair Lee alt. inf. | | c | | c | | | | |
| May. McClure 1802 to Fright | | | | c | | | | 7- |
| Arthur Torrey. Leachwood Park | | | | c | | | | 8- |
| Henry G. Dodge 227 St Paul | | | | c | | | | |
| + Grady 2118 Dallas St | | | | c | | | | |
| Mrs. Miles. (Gen Miles | | | | | c | | | 1. 2. |
| Mrs. Eisenman. Wash. D.C. | | | | | c | | | |
| Mrs. Parmelee. Wash. D.C. | | | | | c | | | |
| J. J. Buchanan Pittsburg Pa | | | | | | | c | |
| Mrs 711 Lehigh | | | | | | | c | 57. |
| Miss Cretin at 58. | | | | | | | c | 62 |

Charge.

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| 27 | 28 | 29 | 30 | 31 | | |

Mr. Charles M. Hunt. c

James Ross. " " c

Miss Evans c or sure c

Mr. " c or Schmidt c

Miss Gibson c

Mr. O. B. L. T. or M. c

Mr. Lang. Hunt c

Record.

December, 1908.

100

Charge. Brought Forward.

Total.

MEMORANDA

25

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\$ 250.00

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GENERAL MEMORANDA

- 71 Kille But, com Sq,
~~Wm H. Mearns 107 Mass ave~~
 " 2. ~~Engel~~
 " 8 ~~Wm H. Mearns 103 To Charles~~
~~10 B. H. Mearns 103 To Charles~~
~~11 Mearns 103 To Charles~~
 " 12 ~~Frederick 1915 Orleans St~~
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GENERAL MEMORANDA.

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2508 E Main St. Richmond

Richmond

address for 127

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GENERAL MEMORANDA.

- 12 ~~Mr O Mason 1118 N Ches~~
~~Judge Day Washington~~
 13 ~~at C. L. Jones 20 Po Bldg~~
 14 ~~B. F. Neilson 926 E St. 2nd East~~
 15 ~~Miss Kreeg N Ches~~
 16 ~~Miss E. B. Brown 1112 N. 1st St~~
 17 ~~Miss Clark 907 N Ches~~
 18 ~~Mr Newton Smith The St Paul~~
 19 ~~Lucy Dubouche Leno~~
 20 ~~Trustat Smith 5 Park Ave~~
 21 ~~Miss Melville Netherland~~
 22 ~~Mr Etchen Post 154 1/2 St. East~~
 23 ~~W. H. Heman Leno~~
 24 ~~Sydney Hall 1319 Park Ave~~
 25 ~~John Lohmeyer 8 E. Reed~~
 26 ~~Mr C. H. Butler~~
 27 ~~Miss Gordon 718 N Ches~~
 28 ~~Miss G. M. Smith 500 Cedar St~~
 29 ~~Col. Wood 1000 1/2 1st St~~
 30 ~~Mr J. H. Camden Washington~~
 31 ~~Chas G. Matthews Leno~~
 32 ~~Mr A. Adams 25 W. 1st St~~
 33 ~~Mr G. L. Wood 1409 West Ave~~
 34 ~~Col. H. O. Dismal~~
 35 ~~Th. H. H. Smith Netherland~~
 36 ~~Miss F. H. H. 1402 1/2 1st St~~
 37 ~~Miss L. H. H. 1402 1/2 1st St~~
 38 ~~Miss L. H. H. 1402 1/2 1st St~~
 39 ~~Miss L. H. H. 1402 1/2 1st St~~
 40 ~~Miss L. H. H. 1402 1/2 1st St~~

GENERAL MEMORANDA

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15 v 2 Pine St. Phila

GENERAL MEMORANDA.

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Assessors

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Wilkes - Barre ask to move to ✓
11-1 whom bill shall be sent.

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cm Brown & Shattuck ask to be the
+ 10 16th St. Wash with address

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Send to Francis the address.

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Brown & Shattuck 11-1

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| NAME OF FATHER. | Age | NAME OF MOTHER. | Age | End
Last
Menstr. | Date
Exptd.
Conc. | Date
Deliv. |
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| Sept 27 | E Riker | 2224 | Calloway | | | |
| 28 | R. Sneyd | | | | | |
| | Sept 1 | Strover | 54 | Leoville | | |
| | Nov 5 | Robbards | 400 | N. Euter | | |
| " 29 | Miss Munglery | 2120 | Wall St | | | |
| " " | Miss Adeline | 2224 | Butane Pl. | | | |
| " 31 | Thos Graham | | Montreal | | | |
| " " | Miss F. L. | | " " | | | |
| " " | Miss Traugott | 525 | N. Carr | | | |
| " " | Miss Katz | 1119 | E. 17th | | | |
| " 5 | H. H. Harman | 2021 | Ent Pl. | | | |
| " " | Griffin | | Centre | | | |
| " " | Miss Carver | 1025 | N. Bldg | | | |
| " 6 | R. R. Henderson | | Can. Portland | | | |
| " " | Miss Dotson | 521 | N. Gilmor St | | | |
| " 6 | Capt. Seward | 33 | Lo Jay | | | |
| " 7 | Mr. Rosen | | Barman | | | |
| " 8 | Miss Carter | 1212 | Hope Pelentury | | | |
| " " | Miss Dulle | 23 | in 21st St | | | |
| " " | Mr. F. C. C. C. | 6 | in 21st St | | | |
| " 9 | Ca Stone | | Colate | | | |
| " 12 | J. L. L. | 1819 | Ent. Pl. | | | |
| " " | H. L. L. | 2040 | Ent. Pl. | | | |
| " 13 | Mr. L. L. | 2301 | N. B. St. Pl. | | | |
| " 14 | Col. Payton | | Spokane | | | |
| " " | Wash. F. | | Spokane | | | |
| " 15 | F. L. Homer | | Shenwood | | | |
| " 16 | Simon | 1303 | 845 | 5th Ave N.Y. | | |
| " 16 | Dr. R. Brown | | Indianapolis | | | |

| NAME OF FATHER. | Age | NAME OF MOTHER. | Age | End
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Menst. | Date
Exptd.
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|-----------------|-----|-------------------|-----|-----------------------|---------------------------|-----------------|
| N. 19 | | Mrs. Bowley | | | | Greenwood Rd |
| " 20 | | C. O. Reed | | | | Scenicly Pa |
| " 21 | | Mrs. S. H. Marcus | | | | 8 21 East Pl |
| " 22 | | Mrs. J. J. Jones | | | | 2430 McCulloch |
| " 23 | | Ed. Johnson | | | | Minneapolis |
| " 24 | | Mrs. Kaufman | | | | Pa |
| " 25 | | Mrs. Turner | | | | 1025 1st Avenue |
| " 26 | | Mrs. J. J. Jones | | | | 1025 1st Avenue |
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| " 100 | | Mrs. J. J. Jones | | | | 1025 1st Avenue |

Obstetric Engagements and Practice.

151

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| | NAME OF FATHER. | Age | NAME OF MOTHER | Age | End | Date | Date |
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| | | | | | Menstr. | Exp'd. | Del'd |
| X1.30 | Mr F m Jinks | | | | | | |
| 24.1 | Mr J. J. Jinks | | field | | | | |
| 2 | Mr A Slater | | 761 N St. Wash | | | | |
| 3 | Mr J. J. Jinks | | Washington St | | | | |
| 4 | E E Jackson | | cf | | | | |
| " | Chas Kiedel | | 714 St Paul | | | | |
| " | Mr Alex | | 2572 McCullch St. | | | | |
| " | W B Smith | | | | | | |
| " | Henry Burdhead | | u p | | | | |
| " | S. Meas | | 1709 Mad ave. | | | | |
| " | JR Brewer | | 551 W North ave | | | | |
| " | 14 Mrs. Harnan | | 2031 East Ave | | | | |
| " | Miss. Leman | | n.y. 507 W. 91st St. | | | | |
| " | C F Maculane | | 19 Clay St. | | | | |
| " | more jr. | | | | | | |
| " | 22 Mrs. Dyer (a D.) | | 227 St Paul | | | | |
| " | H Schiff | | 2118 Boken St | | | | |
| " | Gen. Miles | | Wash | | | | |
| " | | | | | | | |
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Obstetric Engagements and Practice

NAME OF CHILD. No. Sex Race. Weight Age Present Address

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Expid.
Conf't. | Date
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| NAME OF CHILD. | No. | Sex | Race. | Wght. | Legth. | Presen-
tation. | ADDRESS |
|----------------|-----|-----|-------|-------|--------|--------------------|---------|
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| NAME OF FATHER | Age | NAME OF MOTHER. | Age | End
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Concl. | Date
Deliv. |
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| NAME OF FATHER. | Age | NAME OF MOTHER. | Age | End
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Exptd.
Conf't. | Date
Del'd. |
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| NAME OF CHILD. | No. | Sex | Race. | Wght. | Length. | Presentation | Address |
|----------------|-----|-----|-------|-------|---------|--------------|---------|
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NAME.

DATE.

RESULT.

Vaccinations

101

NAME

DATE

RESULT

NAME

DATE.

RESULT.

NAME

DATE.

RESULT.

NAME AND ADDRESS OF DECEASED.

AGE.

COLOR.

Y. M. D.

Married Single
or Widowed

PLACE AND CAUSE OF DEATH.

DATE.

NAME AND ADDRESS OF DECEASED.

AGE.

Y. M. D.

COLOR.

Mr'd, Single
or Widowed

PLACE AND CAUSE OF DEATH.

DATE.

ADDRESSES OF PATIENTS.

ADDRESSES OF PATIENTS.

Cash acct for 1903

ADDRESSES OF PATIENTS.

| | | |
|--------|----------------------|--------|
| Jan 3. | Refus Gill | 10.00 |
| " " | Conrad Knecht | 25.00 |
| " " | Mrs Martha S. Clark | 50.00 |
| " " | T. K. Carey | 10.00 |
| " " | Our Yerner | 10.00 |
| " 4 | R. Townsend & Co | 750.00 |
| " " | S. K. Allen | 10.00 |
| " " | Our Coile | 10.00 |
| " " | Dr J. D. Dinnelly | 10.00 |
| " 8 | Est. Baughen | 10.00 |
| " " | " Durlap | 500.00 |
| " " | Lein 100.00 | 50.00 |
| " 6 | Mrs. Schiff | 10.00 |
| " " | Mr. G. M. Marsh | 30.00 |
| " " | Mr. Theo. Harbong - | 20.00 |
| " " | Mrs. Wallace. | 100.00 |
| " " | Mr. H. Copenhagen | 10.00 |
| " " | Mr. A. L. Straus | 10.00 |
| " 7 | Miss H. S. Davis | 25.00 |
| " " | Mr. Jos. Feckinger | 10.00 |
| " 7 | Mr. G. Fraser | 10.00 |
| " " | Mr. Robt. Taylor | 15.00 |
| " " | Settle of Mrs. Davis | 10.00 |
| " " | Mr. Hirschberg | 10.00 |
| " " | Mr. Newman | 30.00 |
| " 8 | M E Coile | 25.00 |
| " " | Our Mord- | 20.00 |
| " " | Mrs Geo Brown | 100.00 |
| " " | O E Smith | 25.00 |

\$ 1905.00

ADDRESSES OF PATIENTS

Forward

N 140503

| | | |
|--------|----------------------|--------|
| 1.8. | J J White | 500.00 |
| 25.00 | " Mrs Summerville | 25.00 |
| 5.00 | " Mrs Kerr | 25.00 |
| 0.00 | " Mrs Miles | 10.00 |
| 10.00 | " Mrs Adelsdorf | 10.00 |
| 75.00 | 9 Mrs Schinner | 25.00 |
| 10.00 | " Miss Schepel | 100.00 |
| 10.00 | " Mrs Hale | 50.00 |
| 10.00 | " Mrs. Lohman | 10.00 |
| 10.00 | " Mrs Wagner | 25.00 |
| 510.00 | " C Mungesheimer | 25.00 |
| 50.00 | " Mrs Barlett | 20.00 |
| 10.00 | " Mrs Sallen | 25.00 |
| 2.00 | " Capt Strothen | 10.00 |
| 2.00 | 10 J H Wood | 25.00 |
| 1.00 | " Philip M. Sullivan | 50.00 |
| 1.00 | " Mrs Lichen | 20.00 |
| 1.00 | " Mrs Jones | 25.00 |
| 2.00 | " Mrs Neuburg | 20.00 |
| 1.00 | 11 Mary Ambach | 10.00 |
| 1.00 | " Mrs Helme | 10.00 |
| 1.00 | 12 Dr. H & Smith | 108.00 |
| 1.00 | " Mrs Coleman | 10.00 |
| 1.00 | " Miss Freudenthal | 10.00 |
| 3.00 | " F H Davidson | 10.00 |
| 25.00 | 13 Mrs M. W. W. W. | 100.00 |
| 2.00 | 14 Miss Williams | 15.00 |
| 1.00 | " Mrs P. A. P. | 25.00 |
| 1.00 | " Mrs McCarty | 100.00 |

23303.00

ADDRESSES OF NURSES.

| | | |
|-------|-----------------|-------------|
| 1. 15 | Forward | \$ 33 03 00 |
| " " | Mrs James | 25 " |
| " " | Mrs Ryan | 20 " |
| " " | Mrs Stevenson | 10 " |
| " " | Mrs Williams | 10 " |
| " 16 | Mrs Wutzler | 20 " |
| " " | Adm. McCormick | 100 " |
| " 17 | Bowles Celale | 200 " |
| " " | Mrs Bredel | 10 " |
| " " | Leah Sattman | 10 " |
| " " | Mrs Hyman | 50 " |
| " " | Mrs Rhodes | 10 " |
| " 18 | Mrs Worth | 25 " |
| " 18 | Mrs Champion | 25 " |
| " 18 | G Ogden | 25 " |
| " " | Mrs Mausbach | 25 " |
| " " | Mrs Simon | 20 " |
| " 20 | Mrs Stott | 25 " |
| " " | Wm Hays Hammond | 25 " |
| " 21 | Mrs Sacs | 30 " |
| " " | Mrs Brewer | 25 " |
| " 21 | H. I. Brown | 100 " |
| " 23 | Mrs Gordon | 10 " |
| " " | Mrs Emma Myers | 10 " |
| " 24 | Mrs Keith | 10 " |
| " " | Mrs | 25 " |
| " 25 | Mrs Kierney | 20 " |
| " " | Mrs Long | 25 " |
| " 26 | Mrs Blackstone | 10 " |
| " " | Mrs Wells | 10 " |

\$ 415 3 m

ADDRESSES OF NURSES

171

| | | | |
|----------|------|------------------|--------------|
| 33 02 00 | | | \$ 41 83 00 |
| 25 n | 1.26 | Mrs Parnellee | 25 00 |
| 21 n | " 27 | Mrs. Jones | 10 00 |
| 11 n | " " | Mrs Southwood | 25 00 |
| 11 n | " " | Mrs Calderell | 20 00 |
| 11 n | " 28 | Kennedy estate | 100 00 |
| 11 n | " " | Mrs Turner | 10 00 |
| 21 n | " " | R & Guther | 10 00 |
| 11 n | " 29 | Mrs Judas | 10 00 |
| 11 n | " " | Mrs Flowers | 30 00 |
| 51 n | " 30 | Capt Murray | 10 00 |
| 10 n | " " | Mrs McCortney | 150 00 |
| 15 n | " " | R & Howell | 25 00 |
| 15 n | " " | Mrs Coleman | 10 00 |
| 20 n | " 1 | Mrs. McNeil | 10 00 |
| 25 n | " " | Mrs. Dunsford | 25 00 |
| 20 n | " " | Mrs Brown | 10 00 |
| 25 n | " " | Mrs Brown | 60 00 |
| 25 n | " 3 | Mrs Green | 25 00 |
| 30 n | " 4 | Mrs Burdison | 25 00 |
| 25 n | " " | Mrs Joyne | 10 00 |
| 17 n | " " | Mrs Walker | 10 00 |
| 10 n | " 5 | Mrs. Jarmanthall | 10 00 |
| 11 n | " " | Mrs Davis | 25 00 |
| 11 n | " " | Mrs. Collier | 10 00 |
| 25 n | " " | Mrs. Baum | 10 00 |
| 25 n | " 6 | Mrs. Brownlow | 25 00 |
| 11 n | " " | Mrs. White | 25 00 |
| 11 n | " " | John L. Thompson | 20 00 |
| 11 n | " 7 | Mrs. Seckels | 30 00 |
| 33 02 00 | | | \$ 494 80 00 |

| BILL SENT. | NAME | AMOUNT CHARGED. | AMOUNT PAID. | WHEN PAID |
|------------|-----------------|-----------------|--------------|-----------|
| M. 7. | Forward | | \$ 49 48 00 | |
| " 2 | Mr Griffin | | 10 00 | |
| " 8 | Jas F Izler | | 25 00 | |
| " 9 | E L Day | | 25 00 | |
| " 1 | Wm Mark | | 20 00 | |
| " 10 | Lee Moody | | 25 00 | |
| " " | Chas Carter | | 10 00 | |
| " " | Mrs. H. Schuman | | 10 00 | |
| " 3 | Langdon Clark | | 25 00 | |
| " 11 | Mrs Rice | | 25 00 | |
| " 14 | Mr. Mathew | | 50 00 | |
| " 16 | Mr Day | | 10 00 | |
| " " | Mr. Corbhill | | 10 00 | |
| " 20 | T J Lawson | | 25 00 | |
| " " | W B Townsend | | 25 00 | |
| " " | W H Krutz | | 10 00 | |
| " " | C J Dunning | | 10 00 | |
| " " | Mr. Cunningham | | 10 00 | |
| " 22 | C L Bailey | | 3 00 00 | |
| " 23 | R G Gilder | | 10 00 | |
| " " | Mr. Lammert | | 25 00 | |
| " " | Mr. Liverman | | 25 00 | |
| " 25 | Jas Webb | | 25 00 | |
| " " | F Longbrun | | 10 00 | |
| " " | J H C Coulburn | | 25 00 | |
| " 26 | G W | | 10 00 | |
| " 2 | Mrs. Duff | | 25 00 | |
| " 3 | E Martin | | 25 00 | |
| " " | J Sachs | | 10 00 | |
| " 4 | J W Monroe | | 25 00 | |

\$ 57 88 00

Cash Account.

175

| BILL
NO. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID |
|-------------|---------------|--------------------|-----------------|--------------|
| | | | \$ 5788 00 | |
| 4 | Mr Fleming. | | 35 00 | |
| | Mr Henderson | | 10 00 | |
| 9 | Mr Pittman | | 25 00 | |
| | Mr Ewenhart | | 25 00 | |
| | Mr Connell | | 10 00 | |
| 5 | Mr & Mrs | | 10 00 | |
| | Mr & Mrs | | 10 00 | |
| 10 | Mrs Slick | | 10 00 | |
| | Mr Cullen | | 10 00 | |
| | Mr Verbee | | 10 00 | |
| | L P Harper | | 25 00 | |
| | L R Schult | | 25 00 | |
| 12 | Mr Williams | | 100 00 | |
| | Mr McLeod | | 25 00 | |
| 4 | Mrs Hill | | 10 00 | |
| | Judge Barry | | 25 00 | |
| | Mrs Basch | | 10 00 | |
| 14 | Mr Conroy | | 25 00 | |
| | Mr Spain | | 25 00 | |
| | Mr & Mrs | | 10 00 | |
| 15 | P Fickell | | 10 00 | |
| | P Fickel | | 10 00 | |
| | Mr Fickel | | 10 00 | |
| | P. Gebhart | | 10 00 | |
| 18 | Mr Orndel | | 25 00 | |
| | Mr Benscholtz | | 50 00 | |
| | Mr Baller | | 50 00 | |
| 18 | Mr Sime | | 10 00 | |
| | Mr Jackson | | 30 00 | |
| | Mr Stanford | | 20 00 | |

\$ 6403 00

| BILL
SENT | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|--------------|----------------|--------------------|-----------------|---------------|
| | Forward | | \$ 6463 00 | |
| 111. 20 | R L Preempt | | 20 00 | |
| " " | Mr Pannell | | 25 00 | |
| " " | Mr Green | | 25 00 | |
| " 20 | Mr Pendergast | | 25 00 | |
| " 20 | C D Thorne | | 25 00 | |
| " " | Mr Popperstein | | 25 00 | |
| " " | Mr Newcomb | | 20 00 | |
| " " | Mr Schaper | | 10 00 | |
| " 27 | Mr Fitzgerald | | 10 00 | |
| " " | Mr Martin | | 50 00 | |
| " " | Mr Stone | | 25 00 | |
| " " | John Bennett | | 10 00 | |
| " " | Mr Brookfield | | 3471 00 | |
| " 28 | R L Reynolds | | 25 00 | |
| " 30 | Mr Paschal | | 25 00 | |
| " " | Mr Moore | | 10 00 | |
| " " | Mr Clayton | | 20 00 | |
| " 31 | J W Ross | | 100 00 | |
| 18 1 | C E Fleming | | 10 00 | |
| " " | Mr Dallas | | 10 00 | |
| " " | Miss Doer | | 10 00 | |
| " " | Mr Todd | | 10 00 | |
| " " | Mr Gray | | 10 00 | |
| " " | Mr Kellogg | | 50 00 | |
| 3 | L R West | | 10 00 | |
| " " | J L Anderson | | 150 00 | |
| " 3 | W W Dutley | | 25 00 | |
| " " | Cullington | | 100 00 | |
| 4 | J H Nichols | | 25 00 | |
| " " | a wagon | | 25 00 | |

810819 00

| BILL
SENT. | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID |
|---------------|------------------|--------------------|-----------------|--------------|
| | | | \$ 10819 00 | |
| 18.5 | Wabash Road | | 2 00 00 | |
| " | 7 Berzner | | 10 00 | |
| " | 7. Blue Line | | 10 00 | |
| " | Mrs Louchheim | | 20 00 | |
| 6 | G. H. Hilgen | | 25 00 | |
| " | Mrs. Wardwell | | 25 00 | |
| " | 20 Orver | | 25 00 | |
| " | 7 T. Hinner | | 10 00 | |
| 7 | Hart Estate | | 3 00 00 | |
| " | Mrs Hamilton | | 25 00 | |
| " | Mrs Effinger | | 25 00 | |
| " | Mrs Kellheffer | | 25 00 | |
| " | Mrs McGarry | | 10 00 | |
| 8 | Mrs Pilger | | 25 00 | |
| " | Mrs. Roden | | 50 00 | |
| " | Mrs. Staley | | 10 00 | |
| " | Mrs. Shoen | | 100 00 | |
| " | L. Freudenholz | | 10 00 | |
| 10 | Mrs. Upshur | | 25 00 | |
| " | E. L. Sampson | | 10 00 | |
| " | W. J. Allen Hall | | 10 00 | |
| 10 | Mrs. Symons | | 25 00 | |
| " | J. J. Duney | | 10 00 | |
| " | Mrs. McKeena | | 100 00 | |
| " | A. J. Ulman | | 25 00 | |
| 4 | Reba. Cheneau | | 10 00 | |
| 5 | M. McGuire | | 200 00 | |
| 10 | L. F. Litch | | 2 00 00 | |
| | | | \$ 12869 | |

Cash Account.

| BILL SENT. | NAME. | AMOUNT CHARGED. | AMOUNT PAID. | WHEN PAID. |
|------------|---------------------|-----------------|--------------|------------|
| | Forward \$ 13.86 00 | | | |
| 4.13 | Mr. Blair Lee | | 1.00 00 | |
| " 6 | Mr. L. P. Grand | | 1.00 00 | |
| " 11 | Mr. A. H. Mason | | 25 - | |
| " 17 | Mr. Peddie | | 25 00 | |
| " " | Solomon | | 10 00 | |
| " 18 | Mr. Sault | | 50 00 | |
| " " | Mr. Young | | 10 00 | |
| 19 | Mr. Hatchell | | 50 00 | |
| 20 | Mr. Arnsbach | | 10 00 | |
| 21 | Mr. Hodges | | 25 00 | |
| " | Mr. Lee | | 25 00 | |
| " | Mr. Marcus | | 10 00 | |
| 22 | Mr. W. Cunningham | | 100 00 | |
| " 23 | Mr. Davis | | 50 00 | |
| " | Mr. W. Fuller | | 50 00 | |
| " | L. C. Wier | | 100 00 | |
| 24 | Mr. J. L. Litch | | 25 00 | |
| " | Mr. Cohen | | 25 00 | |
| " | Mr. W. K. Kasper | | 15 00 | |
| " | Mr. Rubenstein | | 10 00 | |
| 25 | Mr. Kupperman | | 150 00 | |
| " | Mr. Kupperman | | 10 00 | |
| " | Mr. Brown | | 10 00 | |
| " | Mr. Brock | | 25 00 | |
| 26 | Mr. A. Williams | | 10 00 | |
| 27 | Mr. Bladen | | 20 00 | |
| " | Mr. Cummings | | 10 00 | |
| " | Mr. Webb | | 10 00 | |
| " | Mr. Lebar | | 10 00 | |

\$ 14899 00

Cash Account.

179

| | NAME | AMOUNT
CHARGE | AMOUNT
PAID | WHEN
PAID |
|--------|-------------------|--------------------------------------|----------------|--------------|
| 69 00 | | | \$ 599 00 | |
| 1829 | Mr. Wright | | 200 00 | |
| 00 00 | Mr. Price | | 100 00 | |
| 20 00 | Mr. Cushman | | 25 00 | |
| 25 00 | 9 H. H. H. H. | | 25 00 | |
| 10 00 | Mr. St. Davis | | 25 00 | |
| 90 00 | J. Burns | | 25 00 | |
| 10 00 | Mr. W. B. B. B. | | 10 00 | |
| 30 00 | Mr. H. C. C. C. | | 10 00 | |
| 10 00 | V. I. J. P. P. P. | | 25 00 | |
| 25 00 | " 9 Moore | | 25 00 | |
| 25 00 | " Fred May | | 25 00 | |
| 10 00 | " J. F. Swayne | | 25 00 | |
| 100 00 | 3 Mr. Hansen | | 20 00 | |
| 30 00 | " K. W. W. W. | | 25 00 | |
| 50 00 | DA & Co Book | \$ 2461. ¹ / ₂ | - | |
| 100 00 | 4 Judge Munro | | 25 00 | |
| 25 00 | 5 Mr. C. C. C. | | 10 00 | |
| 25 00 | " Mr. Day | | 25 00 | |
| 15 00 | " Mrs. C. C. C. | | 10 00 | |
| 00 00 | 7 Mr. H. H. H. | | 10 00 | |
| 150 00 | " Mr. H. H. H. | | 25 00 | |
| 10 00 | " Mrs. H. H. H. | | 25 00 | |
| 10 00 | " Mr. Waterman | | 100 00 | |
| 25 00 | " Mr. Greenham | | 10 00 | |
| 00 00 | 8 Mr. C. C. C. | | 10 00 | |
| 00 00 | " Mrs. C. C. C. | | 10 00 | |
| 00 00 | 9 Mrs. M. M. M. | | 10 00 | |
| 00 00 | " Mrs. M. M. M. | | 200 00 | |
| 00 00 | " Mrs. G. G. G. | | 25 00 | |
| 00 00 | " Mr. M. M. M. | | 25 00 | |
| 69 00 | | | \$ 16309 00 | |

Cash Account.

| DATE | NAME. | AMOUNT CHARGED. | AMOUNT PAID. | WHEN PAID. |
|-----------|-----------------------|-----------------|------------------|------------|
| V. 10. 03 | Miss Levy. | | 16 209 00 | |
| " " | Mr Holt | | 25 " | |
| " 15 | Mr McKee. | | 25 " | |
| " " | Mr Taylor | | 10 " | |
| " " | Mr Reid. | | 100 " | |
| " 17 | Mr Levy | | 15 00 | |
| " 18 | Miss Smith | | 10 00 | |
| " " | Miss Lively. | | 10 " | |
| " 19 | Mr Besore | | 10 00 | |
| " " | Miss Lively | | 10 00 | |
| " " | Mr Shepel. | | 10 " | |
| " 20 | Mr Golden | | 10 00 | |
| " " | Mr McLaugh | | 25 00 | |
| " " | Mr Wilson. | | 25 00 | |
| " 21 | Ed Levy | | 1000 00 | |
| " 22 | Miss Stevenson | | 25 00 | |
| " " | Mr Mann | | 25 00 | |
| " " | Miss Butler | | 20 00 | |
| " " | Miss Stalford | | 10 00 | |
| " 23 | Mr Hudson | | 25 00 | |
| " 23 | Mr Flannery | | 100 00 | |
| " 26 | Mr O'Connell | | 25 00 | |
| " " | Mr Parnell | | 25 00 | |
| " " | Mr Price | | 25 00 | |
| " " | Mr Holt | | 10 00 | |
| " 27 | Mr Levy | | 25 00 | |
| " " | Mr Smith | | 10 00 | |
| | Miss Ellen Donaldson | | 10 00 | |
| | Mr. S. J. Hatch | | 30 00 | |
| | | | 17859 00 | |

Cash Account.

181

| BILL
SENT | NAME | AMOUNT | AMOUNT | WHEN |
|--------------|---------------------------|---------|-----------------|------|
| | | CHARGED | PAID | PAID |
| 16 209 31 | Mr. C. J. Gould | | 17 85 9 00 | |
| 21 1 | Mr. S. L. S. Keine | | 10 00 | |
| 21 1 | Miss C. S. Brown | | 25 00 | |
| 1 1 | Mr. B. H. Skinner | | 10 00 | |
| 10 1 1 | Mr. Lyon | | 10 00 | |
| 1 1 | Mr. H. O. Overley | | 25 00 | |
| 7 1 | Mr. Geo. Miller | | 50 00 | |
| 10 1 | Mr. Grief | | 20 00 | |
| 1 1 | Judge Day | | 20 00 00 | |
| 1 1 | Mr. W. O. Horsey | | 10 00 | |
| 1 1 | Mr. Tunstall Smith | | 50 00 | |
| 1 1 | Mr. W. K. Keenan. Jr | | 10 00 00 | |
| 1 1 | Mr. B. H. Lary | | 25 00 | |
| 1 1 | Mr. John Whitridge | | 10 00 | |
| 10 1 1 | Mr. L. Carroll Brown | | 25 00 | |
| 2 1 1 | Mr. Colin Reed | | 50 00 | |
| 1 1 1 | Mr. J. N. Cauden | | 25 00 | |
| 2 1 1 | Mr. S. P. Williams Estate | | 2 84 00 00 | |
| 1 1 | Mr. Frank | | 10 00 | |
| 1 1 | Capt Rodgers | | 10 00 | |
| 10 1 1 | Mr. H. Rosenheim | | 30 00 | |
| 1 1 1 | Mrs. Geo Carey | | 10 00 | |
| 1 1 1 | Mrs. And. Reid | | 10 00 | |
| 1 1 1 | Mr. McLavahan | | 50 00 00 | |
| 1 1 1 | Mr. H. C. Gardner | | 15 00 | |
| 2 1 | 8 Hon Mr Root | | 25 00 | |
| 1 1 1 | 9 Mr. Buckley | | 50 00 | |
| 1 1 1 | 11 Mrs Landon | | 100 00 | |
| | | | <hr/> 22 124 00 | |

| BILL SENT. | NAME | AMOUNT CHARGED | AMOUNT PAID. | WHEN PAID. |
|------------|-----------------------|----------------|--------------|------------|
| VI-18 | Th Baker | | 22 1/2 | |
| | Th Baker | | | |
| | Th Baker | | | |
| " 17 | Mrs L. J. Bruce | | 10 00 | |
| " " | Th H. H. Adname | | 10 00 | |
| " " | Th H. H. Adname | | 10 00 | |
| " " | Th H. H. Adname | | | |
| " " | Th H. H. Adname | | | |
| " " | Th H. H. Adname | | | |
| " " | Th H. H. Adname | | | |
| " " | Th H. H. Adname | | | |
| " 2 | Th H. H. Adname | | | |
| Aug 18 | Mr H. T. Traynor | | 20 00 | |
| July 8 | Set. of Mrs Clark | | 20 00 | |
| " " | Mrs L. J. Bruce | | | |
| " 7 | Th H. H. Adname | | | |
| " 20 | Mr H. H. Adname | | 5 00 | |
| | Securities Assoc. | | | |
| Aug. 31st | Amer. Med. Assoc. | | 6 60 | |
| " 15 | Foreign Bank Exchange | | 5 00 | |
| " " | Mrs Blank | | 20 00 | |
| " " | Mrs Davis | | 25 00 | |
| Sept. 25 | Mrs Williams | | 10 00 | |
| " " | Mrs Taylor | | 10 00 | |
| | | | 24287 00 | |

8 24287 00

Cash Account.

182

| DEBIT
-PNT. | NAME | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID |
|----------------|----------------------------|--------------------|-----------------|--------------|
| | Forward. | — | \$ 24 | 28 7 00 |
| 26 | F S Smith | | 25 | 00 |
| " | W S Dickens | | 20 | " |
| " | J. Carr | | 10 | " |
| " | W P. Smith | | 10 | 00 |
| " | W. A. L. L. L. (Aug 10/10) | | 20 | 00 |
| " | Wm. M. M. M. | | 10 | " |
| " | Wm. M. M. | | 25 | " |
| " | W. A. M. M. M. | | 100 | " |
| " | Wm. G. M. | | 20 | " |
| " | W. S. M. | | 10 | " |
| 29 | Wm. M. M. | | 20 | " |
| " | W. A. M. | | 100 | " |
| 30 | C. H. Caldwell | | 25 | 00 |
| 2 | Wm. M. M. | | 500 | " |
| " | Wm. | | 20 | " |
| " | M. S. | | 25 | " |
| 5 | Wm. M. M. | | 25 | " |
| " | Wm. M. M. | | 20 | " |
| 6 | Wm. M. M. | | 25 | " |
| " | Wm. M. M. | | 15 | " |
| " | Wm. M. M. | | 25 | " |
| 7 | Wm. M. M. | | 20 | " |
| " | Wm. M. M. | | 30 | " |
| " | Wm. M. M. | | 10 | " |
| " | Wm. M. M. | | 10 | " |
| 8 | Wm. M. M. | | 50 | " |
| " | Wm. M. M. | | 25 | " |
| 9 | John Furlong | | 50 | 00 |
| | | | <u>\$ 257</u> | <u>20 00</u> |

257 20 00

| BL.
SENT. | NAME | AMOUNT
CHARGED | AMOUNT
PAID | WHEN
PAID. |
|--------------|------------------|-------------------|--------------------|---------------|
| | Forward | | \$ 25720 00 | |
| Oct 94 | Mrs Hauser | | 10 00 | |
| " " | Mrs Jones | | 25 00 | |
| " " | Mrs Hegerforth | | 10 00 | |
| " 11 | Mrs Blum | | 10 00 | |
| " 12 | Mrs Mossman | | 25 00 | |
| " " | E B White | | 25 00 | |
| " " | J T Russell | | 10 00 | |
| " 13 | Mrs & Mrs Sumner | | 50 00 | |
| " " | Mrs Ward | | 25 00 | |
| " " | W W Munnell | | 10 00 | |
| " " | Over to add | | 10 00 | |
| " " | Mrs Took | | 25 00 | |
| " 14 | Mrs Parmelee | | 25 00 | |
| " 15 | Mrs Doevenstein | | 25 00 | |
| " " | Mrs Plume | | 10 00 | |
| " " | Mrs Hamner | | 10 00 | |
| " " | Mrs Klein | | 10 00 | |
| " " | Mrs Maass | | 20 00 | |
| " 15 | J Sampson | | 10 00 | |
| " " | Mrs Lopez | | 25 00 | |
| " 11 | W G Brown | | 25 00 | |
| " 18 | Cd Burch | | 15 00 | |
| " " | S Fleishman | | 25 00 | |
| " " | R B Burns Adams | | 1000 00 | |
| " " | Mrs Lopez | | 20 00 | |
| " " | Mrs Myfus | | 10 00 | |
| " 20 | Dr Stengel | | 14 00 | |
| " " | Mrs Sturgis | | 25 00 | |
| | | | <u>\$ 27234 00</u> | |

Cash Account.

185

| RECEI
SENT | NAME | AMOUNT
CHARGED | AMOUNT
PAID | WHEN
PAID |
|---------------|---------------|-------------------|----------------|--------------|
| | Forward | | \$ 2723 | 00 |
| 120 | C C Lewis | | 25 | 00 |
| " | J Bank | | 25 | 00 |
| " | J Reyer | | 10 | 00 |
| " | Mr Salabe. | | 10 | 00 |
| " | Mr Chaplin | | 25 | 00 |
| 24 | A L Phillips | | 25 | 00 |
| 23 | A Aides | | 10 | 00 |
| " | S. Nathan | | 10 | 00 |
| " | J M Caldwell | | 20 | 00 |
| " | Mr. Munn | | 25 | 00 |
| " | Mr Davis | | 25 | 00 |
| 25 | Mrs Morgan | | 10 | 00 |
| 20 | Mr Nichols | | 25 | 00 |
| 25 | Mr McLaugh | | 25 | 00 |
| " | Mr Ahfeld | | 25 | 00 |
| " | Mrs Pitt | | 10 | 00 |
| 27 | Gen St. Clair | | 25 | 00 |
| " | W Thayer | | 1000 | 00 |
| " | Mr Pratt | | 25 | 00 |
| " | Mr Bogart | | 10 | 00 |
| " | Barker B | | 10 | 00 |
| " | Mr Spru | | 10 | 00 |
| 29 | Mr Reuz | | 10 | 00 |
| " | Mr Fink | | 10 | 00 |
| " | Mr Lott | | 20 | 00 |
| " | Mr Ruthebone | | 25 | 00 |
| 2 | F Schick | | 25 | 00 |
| " | Julian Carr | | 25 | 00 |
| " | Aug McTavish | | 10 | 00 |
| | | | \$ 28745 | 00 |

| BILL
SENT | NAME. | AMOUNT
CHARGED. | AMOUNT
PAID. | WHEN
PAID. |
|--------------|-----------------|--------------------|-----------------|---------------|
| | Forward | | \$ 28,745.00 | |
| X1.5. | Mrs Mason | | 50.00 | Jan |
| " " | ES Honyaker | | 10 " | Jan |
| " " | It Cuyugham | | 100 " | Jan |
| " " | Itm in Bunk | | 500 " | Jan |
| " " | Mrs Kaufman | | 15.00 | Jan |
| " " | It 7 Turner | | 25.00 | Jan |
| " " | It Lehman | | 10.00 | Jan |
| " " | It L. Kline | | 10.00 | Jan |
| " " | Mrs & wife | | 25.00 | Jan |
| " 7 | Mrs Herschberg | | 10.00 | Jan |
| " " | Haimberger & Co | | 10.00 | Jan |
| 9 | It. Reiser | | 20.00 | Jan |
| " " | Mrs. Prunty | | 10.00 | Jan |
| " " | Mrs Fuller | | 25.00 | Jan |
| 10 | Mrs Howard | | 25.00 | Jan |
| | Hauysche & Co | | 10.00 | Jan |
| 14 | R. H. Dulany | | 25.00 | Jan |
| " " | A. S. Gardner | | 20.00 | Jan |
| 15 | A. S. Warner | | 25.00 | Jan |
| " 16 | Mrs. Green | | 10.00 | Jan |
| " 17 | Mrs. Guleman | | 45.00 | Jan |
| " " | Mrs. Saltsburg | | 10.00 | Jan |
| " " | Mrs. Bunkle | | 25.00 | Jan |
| " " | Mrs. Pollen | | 25.00 | Jan |
| 18 | H. L. Forbes | | 5.00 | Jan |
| " " | H. K. Smith | | 2.00 | Jan |
| " " | W. H. Brown | | 100.00 | Jan |
| " " | It Undermy- | | 10.00 | Jan |
| " 19 | Mrs. M. Coney | | 25.00 | Jan |
| " " | Mrs. Coney | | 2.00 | Jan |

\$ 3048.30

Cash Account.

187

| BILL
SENT | NAME | AMOUNT
CHARGED. | AMOUNT
PAID | WHEN
PAID |
|--------------|----------------|--------------------|----------------|--------------|
| 19 | Mr Carl | | 30 45 | |
| " | For. Bk. | | 10 00 | |
| 20 | Mr Sapp | | 50 00 | |
| " | Mr Crittenden | | 25 00 | |
| 3 | Mrs Kuer | | 25 00 | |
| " | Mr Wagner | | 10 00 | |
| " | Mr | | 25 00 | |
| 24 | Mr Galt | | 10 00 | |
| " | J P. G. | | 50 00 | |
| " | 77 Lullacres | | 25 00 | |
| " | Mr Fisher | | 25 00 | |
| 26 | Mr Carl | | 10 00 | |
| | adlars | | 10 00 | |
| 27 | Mr Edmunds | | 25 00 | |
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